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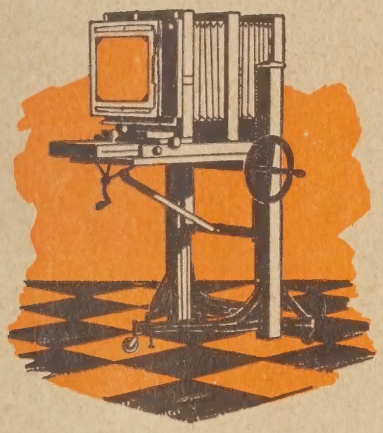
Illustrated Catalogue

PHOTOGRAPHIC OUTFITS and SUPPLIES



Eastman Kodak Stores, Inc.

643 South Hill Street

Los Angeles, Calif.

No. 29

Illustrated Catalogue

of

PHOTOGRAPHIC APPARATUS LENSES AND MATERIALS

for All Branches of the Photographic Profession

Eastman Kodak Stores, Inc.
643 South Hill Street
LOS ANGELES, CAL.

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1926

How to Open an Account

Customers who wish to establish credit relations with our store should send us the name of their Bank and of two or more business houses with whom they have credit relations.

C. O. D. Shipments

Time and money will be saved by sending remittances with order. Persons with whom we are not acquainted, must remit at least one-quarter of the bill in order to guarantee carrying charges both ways. You will be credited with the full amount paid.

How to Order Goods

In making up your orders, please refer to this catalogue and describe goods carefully, giving name, size, color, contrast and quantity. Our regular order blanks will be found convenient and a supply will be sent you, on request.

Sensitized Goods should receive special attention in ordering—the size, grade, contrast, size package, weight and quantity should be specified exactly.

Be sure to sign your name in full and give name of town, county and state. Also state whether goods are to be shipped by freight, express or parcel post. When your order does not specify we endeavor to ship the cheapest way, unless the character of the goods require otherwise.

Regulation Covering Shipments

Compounds, Flash Goods, Gun Cotton, Film Support, or Collodion cannot be shipped by mail. They must be shipped by express or freight in a separate box or package.

Responsibility

All goods are carefully packed and delivered to the carrier in first class condition. If goods are received in damaged condition, either by freight or express, the extent of the damage should be noted at once on the delivery receipt and claim made against the carrier without delay.

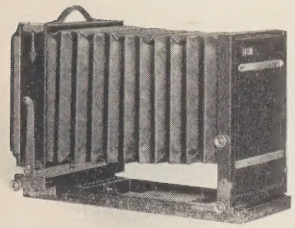
Prices and Terms

The prices shown in this catalogue are *list* unless otherwise noted. A Cash Discount of 2% is allowed on all C. O. D. purchases and on all open accounts paid on or before the 10th of the following month. All prices are subject to change without notice.

Deferred Payment Plan

Arrangements may be made to purchase any apparatus or lenses listed, on the Deferred Payment Plan. Write for details.

Eastman Home Portrait Camera No. 3—8x10



An entirely practical 8x10 camera for home portraiture. It has an unusually large bellows and a 7x7-inch front board.

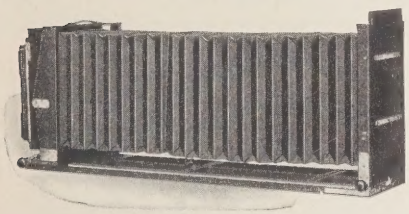
The entire front racks up and down, the movement being entirely independent of the bellows. Ample double swings are provided.

The back is reversible, the bellows is made of leather with a 20-inch draw. The camera is finished in dark mahogany with all brass parts in sand blast finish.

PRICES

Camera, including one Film or Plate Holder and Canvas Case for Camera and Six Holders	$70.00
Extra Canvas Case for Camera and Six Holders	9.00
Extra Canvas Carrying Case for Camera, Sliding Ground Glass Carriage and six holders	9.00
No. 3 H. P. Sliding Ground Glass Carriage	20.00
8 x 10—5 x 7 Reversible Adapter Back.	16.00
Extra Lens Boards, each	1.25
Extra Film or Plate Holders, each	3.00

Folmer Commercial Camera 8x10—11x14



This camera is equipped with a front board with extreme rising and falling movement which is aided by the large square bellows and by the great swings at back of camera.

The 8x10 camera has a 42-inch bellows draw and the 11x14, 54 inches. The bed is in four sections, each with a tripod plate so that long or short focus lenses may be used. The camera is finished in dark mahogany with all metal parts in dull finish brass.

PRICES

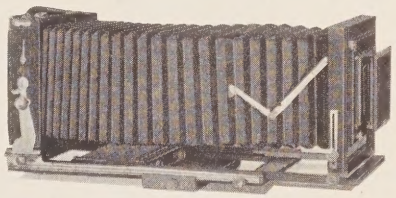
	8 x 10	11 x 14
Folmer Commercial Camera, including Carrying Case and one Sterling Film or Plate Holder	$150.00	$210.00
Extra Leatherette Carrying Case	17.00	20.00
Extra Sterling Film or Plate Holders.	4.50	9.00
Extra Lens Boards, each	1.25	1.50

Eastman Commercial Camera 8x10

This rugged 8x10 camera, with its many distinctive features, can be adapted to an exceptionally wide range of usefulness.

Its most important advantage lies in the feature which permits correction of bad drawing and the avoidance of distortion when photographing close-ups, or at an angle.

For example, in photographing an automobile to show the front and side, from a close-up position, the exaggerated foreshortening, particularly noticeable in the wheels, is avoided. This advantage applies to all other subjects which are photographed in perspective.



The bellows enclosed, extension lens board will swing at the same angle as the back, keeping the axis of the lens at right angles to the plane of the film or plate. This obviates the necessity for stopping down when lenses of sufficient covering power are used.

The camera has a 30-inch bellows draw with spring operated bellows support, rigid locking bed, horizontal sliding front board, spring locking, rack and pinion operated rising and sliding lens board.

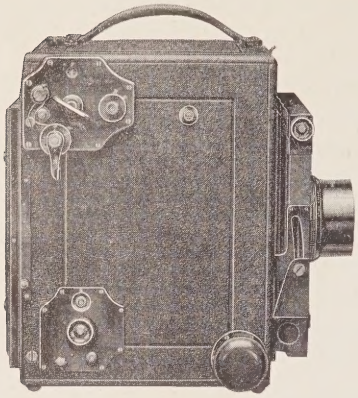
Both horizontal and vertical swings of the camera back and lens front are exceptionally great and a sliding tripod block permits centering the weight of the camera. Light-tight contact with holders is assured.

A regular lens board, 6x6 inches, and a special swinging lens board are supplied. For extreme wide angle work two extra lens boards are sold—the "A" board (which recedes inside the bellows), is for short focus lenses—and the "B" board which serves as a rising front for "Skyscraper" pictures. A No. 6 Packard Shutter may be used with this camera.

PRICES

Eastman Commercial Camera, 8x10, without lens or shutter, including one 6x6 Lens Board, and one Swinging Lens Board	$140.00
Black Fibre Carrying Case	12.00
Recessed Lens Board "A" with 2 x 2-inch center.	2.50
Sliding Lens Board "B" with 2 x 2-inch center	5.00
Extra Film or Plate Holders, each	3.00

Home Portrait Graflex
5x7



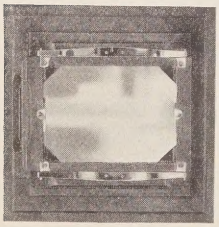
Intended for use where high shutter speed is not so essential as the adaptability of the camera to a wide variety of work. It is fitted with a special focal-plane shutter which gives exposures as long as ½ and as short as 1/500 second as well as time exposures of any duration.

The front may be swung up or down to correct false perspective. The revolving back need not be removed to shift from vertical to horizontal. Cut films, plates, film packs or roll film may be used.

Dimensions, 9¾x9x10½ inches: lens board 5x5 inches. Maximum focal capacity 15 inches, minimum 10 inches. Weight 11½ pounds.

PRICES

Home Portrait Graflex without lens, including one film or plate holder and focusing panel	$225.00
With Kodak Anastigmat *f*.4.5 lens No. 36, 12 inches equivalent focus	375.00
Graflex Roll Holder, No. 54	16.00
Graflex Cut Film Magazine	18.00
Graflex Plate Magazine	18.00
Graflex Film Pack Adapter, leather covered	8.50
Sole Leather case for camera and accessory	26.50
Extra Graflex Cut Film or Plate Holders	4.00
Extra Lens Boards, each	1.50



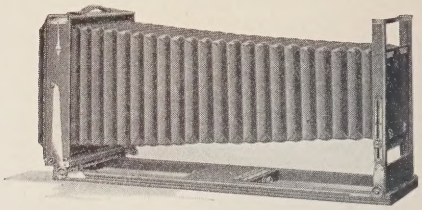
Reducing Backs
(For Eastman View Cameras)

Including one Eastman Film or Plate Holder.

Size of Camera		Price
8x10	5x 7	$16.00
11x14	8x10	22.00

Prices of smaller sizes, made to order, supplied on request.

Eastman View Camera No. 2D
5x7—8x10



Both sizes of this popular camera are supplied with removable front boards with ample rising and falling movements. The back is reversible and there are liberal horizontal and vertical swings.

Focus can be adjusted from both front and rear by rack and pinion, and lenses of the widest angle may be used. As the lens can be centered in one spot, directly over the tripod, a series of panoramic negatives can be made and these will match exactly.

The bellows is of red morocco leather and an automatic spring prevents it from sagging. The camera is made of dark mahogany with all metal parts in sand blast finish. The extensions, for greater strength, are of cherry. The carrying case will hold camera, six holders, tripod, and focusing cloth.

	5 x 7	8 x 10
Bellows Draw	23 in.	29½ in.
Weight	7 lb.	11¼ lb.
Lens Board	4½x4½ in.	6x6 in.
Size Closed	11¾x9⅞x5¾ in.	14⅞x13x5¾ in.

PRICES

Eastman View Camera No. 2-D with Carrying Case and one Eastman Film or Plate Holder	5x7 $60.00	8x10 $70.00
Extra Fibre Carrying Case	11.00	12.00
Extra Lens Boards	.90	1.10
Extra Eastman Film or Plate Holders	2.50	3.00

Eastman View Camera, 11x14

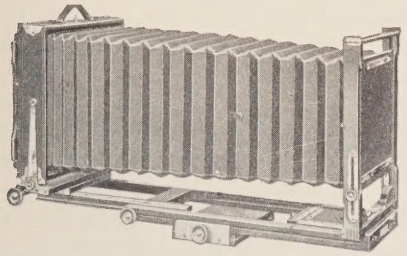
Of strong and substantial construction, this 11x14 camera has a bellows draw of 37 inches and a lens board measuring 5¾ inches square.

The dimensions closed are 19⅜x17⅛x5⅞, and the weight is 14 pounds. Focusing can be done from both the front and rear of the camera.

PRICES

Eastman View Camera, with Canvas Carrying Case and one Sterling Film or Plate Holder	$125.00
Extra Canvas Carrying Case	13.50
Extra Sterling Film or Plate Holders	9.00

Korona Pictorial View Camera



This camera will be found useful in the studio, for commercial photography, home portraiture, and for enlarging or reducing. The bed is telescopic.

Focusing can be done quickly and accurately and two tripod sockets allow for weight distribution. The lens board is large and ample rising and falling movement is provided. The front also has a lateral adjustment.

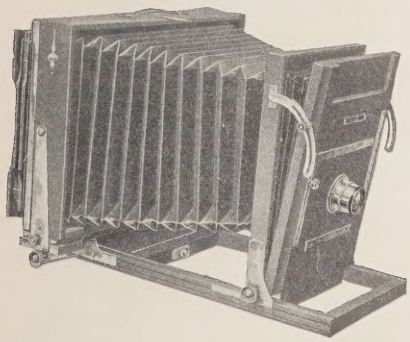
The Pictorial View is built of selected cherry with walnut finish and all metal parts are made of brass, nickel plated. The 3¼x4¼ size has a leather bellows; the 5x7 and 8x10 are listed with leatherette bellows.

	3¼x4¼	5x7	8x10
Lens Board	3¼x3¼	5¼x5¼	7½x7½
Bellows Length	14 in.	21 in.	29 in.

PRICES

	3¼x4¼	5x7	8x10
Pictorial View Camera without Case or Holder	$38.00	$50.00	$65.00
Leatherette Covered Case	6.00	7.00	10.00
Extra Film or Plate Holders	2.00	2.25	2.75
Extra Lens Boards	.75	.75	1.00

Folmer Banquet Camera—12x20



Devised for making large indoor groups, this camera will meet all requirements of photographers who have or want to get this business.

In photographing from an elevation as in making banquet pictures, the unique front adjustments provided permit the inclusion of the greatest number without distortion of those in the immediate foreground.

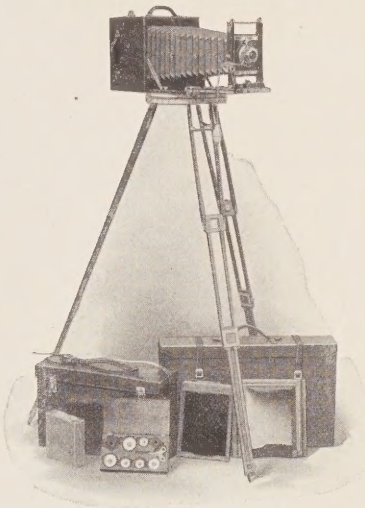
This is accomplished by a swinging lens board with extreme rising and falling range. The optical axis of the lens can be centered on the film, thus avoiding awkward perspective.

The focal capacity is 22 inches, the lens board 6½x6½, the dimensions closed are 6x19x24, and the weight is 14 pounds.

PRICES

Folmer Banquet Camera, without Lens, including Carrying Case and one Banquet Film Holder	$125.00
Extra Leatherette Carrying Case	16.00
Extra Film Holders, each	15.00
Extra Lens Boards, each	1.20

Cirkut Camera No. 10



The No. 10 Cirkut makes negatives 6, 8 or 10 inches in width and takes film rolls from 4 to 20 feet in length. The *f*.6.8 convertible lens has a 10½-inch focus and the front and rear elements have foci of 24 and 18 inches respectively.

Speeds range from ½ to 1/12 second for any portion of the negative.

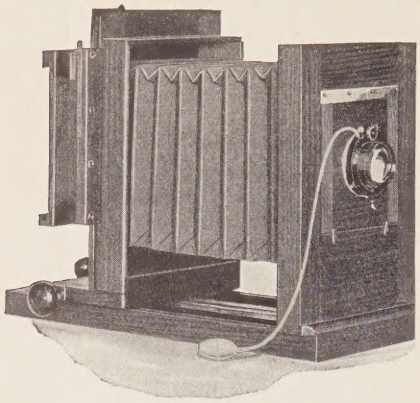
The front board swings and may be raised or lowered and locks automatically. A ground glass screen is provided for accuracy in focusing.

The camera size is 9x11x12 inches, the bellows draw 27 inches. A 4x4-inch lens board is furnished and the weight is 49 pounds.

PRICES

Cirkut No. 10, including Turner-Reich Convertible Anastigmat Lens, Series 11, in Double Valve Shutter, gears for regulating speed, Cirkut Tripod Head and Professional Tripod Legs, and two Carrying Cases	$405.00
Extra Leather Carrying Case for Camera only	20.00
Extra Leather Carrying Case for Tripod and Gear Box	15.50

Folmer Multiple Camera—5x7



For "penny picture" and other small sized prints for passports, licenses, etc. It is also useful for straight portrait or group work up to the full 5x7 size.

It is semi-automatic in action. Focusing adjustments can be made without jerks or unsteadiness. The Ground Glass back and the complete set of kits furnished are reversible, producing 1, 2, 4, 9, 16 or 20 negatives, horizontal or vertical, on one 5x7 film or plate.

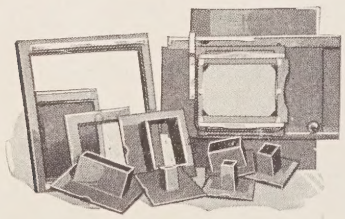
The lens board is 6¾x6¾; focal capacity, 19; dimensions closed, 18x16½x23; weight, 15 pounds.

The camera is substantially constructed of dark finished cherry and mahogany. Metal parts are sand blasted.

PRICES

Folmer Multiple Camera with complete set of kits, one 5x7 Film or Plate Holder without Lens or Shutter	$ 85.00
Complete, with No. 34, 8½ inch or Kodak Anastigmat *f*.4.5 Lens, fitted to Compound Shutter	170.75
Extra 5x7 Century Film or Plate Holder, each	2.75
Extra Lens Boards, each	1.25

Folmer Multiplying Back



This Reversible Multiplying Back converts 8x10 Eastman and Century View Cameras into Multiple Cameras. Through the use of a special Adapter Frame, this back can be attached to Century Studio Cameras, 7A, 9A, and 10A.

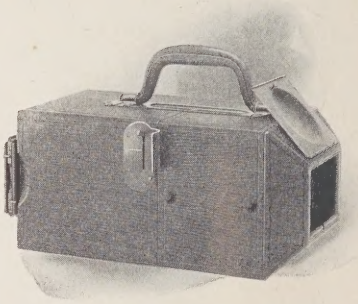
In action the back is all but automatic, since the kits for making 1, 2, 4, 9, 16 or 20 horizontal or vertical negatives on a 5x7 film or plate are marked for the required number of exposures.

The special kit, No. 4-C, is for making four full-length pictures on one 5x7 film or plate.

PRICES

The Folmer Reversible Multiplying Back with complete set of six kits, Spacing Bars, and one Film or Plate Holder	$45.00
The Adapter Frame to permit use of Multiplying Back on Nos. 7-A, 9-A and 10-A Outfits	12.00
Extra 5x7 Century Film or Plate Holder, each	2.75
Extra Reversible Kits, Master	1.50
Extra Reversible Kits, No. 2	1.85
Extra Reversible Kits, Nos. 4, 9, 16 or 20	1.75
Extra Reversible Kits, No. 4-C	1.85

Folmer Finger Print Camera 2¼x3¼



This camera affords a positive means of securing records of finger prints. It can also be used in other cases where accurate photographic records are required, such as pictures of small patterns, signatures, formulae, labels, or portions of printed or written matter not exceeding 2¼x3¼ inches.

The shutter mechanism is simple and exposures of any duration may be made. Cut film, roll film, film packs or plates may be used. The camera measures 11¾x6x6 inches and, with batteries, the weight is but 5 pounds 5 ounces.

PRICES

Folmer Finger Print Camera complete with Kodak Anastigmat Lens *f*.6.3, Shutter, two Batteries, ten Lamps and one Film or Plate Holder	$55.00
Graflex Roll Holder No. 50 (for 6-exposure Eastman Film No. 150)	12.50
Graflex Film Pack Adapter (for 12-exposure Kodak Film Pack)	5.50
Graflex Plate Magazine (for 12 glass plates)	13.00
Graflex Cut Film Holder	2.50
Graflex Cut Film Magazine	13.00
Graflex Plate Holder	2.50
Extra Batteries No. 789, each	1.70
Extra Mazda Miniature Lamps, each	.50
Extra Mazda Miniature Lamps, per carton of ten	4.75
Sole Leather Carrying Case	13.00

Revolving Back Graflex Series D—3¼x4¼—4x5

Designed for general photography this model incorporates all of the distinctive Graflex features, plus special automatic lens shield, removable lens board, and focusing scale.

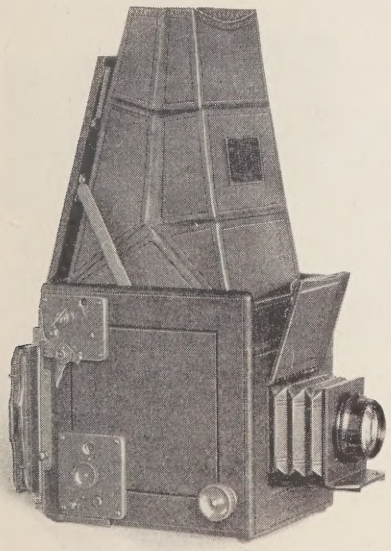
Regular equipment includes one film pack adapter; but cut film, roll film, plates or film packs can be used with the proper attachments. The camera is of solid mahogany, covered with genuine Seal Leather and all metal parts are in solid brass "gun metal" finish.

	3¼x4¼	4x5
Dimensions	6¾x5¼x6⅞	8⅜x6⅜x7⅞
Bellows Capacity	8½ in.	12 in.
Weight	4 lb. 8 oz.	6 lb. 12 oz.
Lens Board	3¼x3¼ in.	3¾x3¾ in.
Minimum Focus	5¾ in.	7 in.

PRICES

Revolving Back Graflex Series D without Lens, including Film Pack Adapter	3¼x4¼	4x5
	$ 90.00	$100.00
With Kodak Anastigmat Lens, *f*.4.5	131.00	150.00
Sole Leather Case for Camera and any Accessory	12.00	15.00
Graflex Roll Holder	12.50	13.50
Graflex Cut Film or Plate Holder	2.75	3.00
Graflex Cut Film or Plate Magazine	14.50	15.50
Extra Lens Board	.75	.90
Kodak Pictorial Diffusion Disk	5.00	5.00

Revolving Back Graflex Series B—2¼x3¼—3¼x4¼—4x5



Offered in three sizes each complete with reflecting mirror, focal plane shutter, and splendid lens equipment. The lens is set in a rigid metal front. The bellows section is compact and it moves smoothly on a single, wide track.

Speeds are from 1/10 to 1/1000 second with time exposures of any duration. Interchangeable accessories permit the use of roll film, cut film, plates or film packs.

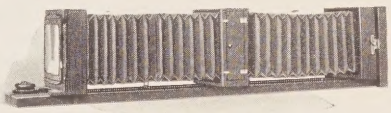
SPECIFICATIONS

	2¼x3¼	3¼x4¼	4x5
Dimensions	6x4½x6¼	6¾x5½x6⅞	8⅜x6⅜x7⅞
Minimum Focus	5½ in.	6⅜ in.	7½ in.
Weight	4 lb.	5½ lb.	7¾ lb.

PRICES

Revolving Back Graflex, Series B, with one Cut Film or Plate Holder and Kodak Anastigmat Lens *f*.4.5	2¼x3¼	3¼x4¼	4x5
	$85.00	$105.00	$120.00
Graflex Roll Holder	12.50	12.50	13.50
Graflex Cut Film or Plate Holder	2.50	2.75	3.00
Cut Film or Plate Magazine	13.00	14.50	15.50
Graflex Film Pack Adapter	5.50	5.50	6.50
Kodak Pictorial Diffusion Disk	5.00	5.00	5.00
Ground Glass Focusing Panel	4.50	5.50	6.00
Sole Leather Case for Camera and any Accessory	9.00	12.00	15.00

Crown Enlarging, Reducing and Copying Camera—8x10



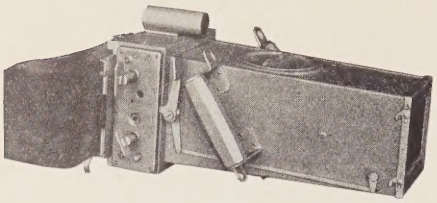
Covering all of the work which its name implies, this 8x10 camera has an 11x11-inch lens board which is interchangeable in front or center compartment; a 5-foot bed in two sections; rising, sliding and falling front and a full set of reversible kits, taking films or plates from 3¼x4¼ up to 8x10.

The rear section of the bellows is much longer than the forward section—a valuable feature when making enlargements. The back takes a Bromide Paper and Plate Holder which is furnished. Weight, 35 pounds.

PRICES

The Crown Enlarging, Reducing and Copying Camera, including one Combination Bromide Paper and Plate Holder and complete set of Kits	$150.00
Attachment for making Lantern Slides, including 3¼x4 holder	35.00
Extra Combination Bromide Paper and Plate Holders	11.50
Extra Lens Board	2.50

Folmer Aero Camera *Model A-1*



This camera is definitely designed for making good aerial snapshots in the easiest way. It is held in the hands steadily by means of two side grips, and for added steadiness a shoulder strap may be attached to the two lugs at the handles. The shutter release is so located that no change of grip is necessary when tripping the shutter.

Four simple motions make the picture: set the shutter; point the camera; trip the shutter; shift the plate or film.

Optical efficiency is combined with this convenience of operation. The 10-inch Kodak Anastigmat Lens has a fixed aperture of *f*.4.5, and is accurately set at proper focus before it leaves the factory.

SPECIFICATIONS

Size of Negative: 4x5 inches (10x12.5 cm.).
Size of Camera: Approximately 8x8x18 inches.
Weight (with loaded plate magazine): 13¾ pounds.
Capacity: one magazine holder of 12 exposures.
Shutter Speeds: From 1/120 to 1/435 of a second.
Construction: Aluminum throughout.

PRICES

Model A-1 complete with Finder, Lens and one Film or Plate Magazine Holder	$295.00
Extra Graflex Film or Plate Magazine Holders, each	15.50

Folmer Aero Camera *Model K-5*

The K-5 is a completely equipped aerial camera for both vertical and oblique work.

Like the A-1, it is fitted with the accurate and optically efficient focal-plane shutter. The shutter on the K-5 has a single aperture of 1¾ inches and its speed is adjustable from 1/60 to 1/280 of a second. Two cones, one with a 12-inch and the other with a 20-inch Kodak Anastigmat *f*.4.5 lens, are available. For complete versatility both cones are desirable. They are easily interchangeable on the same camera head.

The Model K-5 is a hand-operated camera. A single operation—winding a crank a few turns—draws the film into exact position for the next exposure and sets the shutter. A slight pressure on the release trips the shutter.

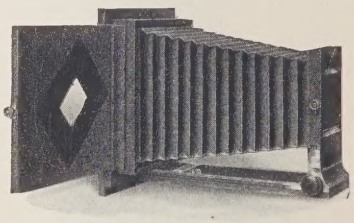
SPECIFICATIONS

Size of Negatives: 18x24 cm. (7 1/16x9½ inches).
Size of Camera with 12-inch Cone: 19⅛x19½x16¾ inches.
Size of Camera with 20-inch Cone: 28¾x19½x16¾ inches.
Weight with 12-inch Cone and 75 feet of Film: 37 pounds.
Weight with 20-inch Cone and 75 feet of Film: 47 pounds.
Capacity: 100 exposures.
Shutter Aperture: 1¾ inches.
Construction: Aluminum throughout.

PRICES

Model K-5 Folmer Aero Camera complete with 12-inch Kodak Anastigmat Lens *f*.4.5, Sight Finder and Venturi Tube	$886.00
Model K-5 Folmer Aero Camera complete with 20-inch Kodak Anastigmat Lens *f*.4.5, Sight Finder and Venturi Tube	1280.00
Extra Cone with 12-inch Kodak Anastigmat Lens *f*.4.5 and Sight Finder Frame	295.00
Extra Cone with 20-inch Kodak Anastigmat Lens *f*.4.5 and Sight Finder Frame	705.00
Vertical Suspension Mount (fits 12-inch and 20-inch lens cones)	148.00
Oblique Suspension Mount (fits 12-inch and 20-inch lens cones)	98.00

Folmer Revolving Back Enlarging Camera—8x10

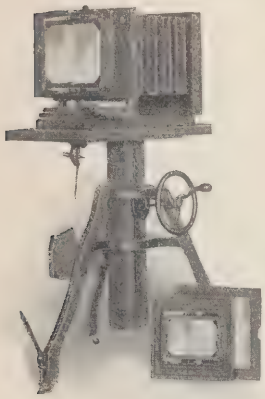


This practical enlarging camera has a revolving negative carrier operated by rack and pinion, which, with its sliding motion and the rising and falling front makes it an easy matter to adjust the image on the paper easel. The carrier is fitted with nested kits down to 3¼x4¼, the front board is 5½x5½ and the bellows draw 22 inches.

PRICES

Revolving Back Enlarging Camera, 8x10, without Lens, including Revolving Back Negative Carrier with 6½x8½, 5x7, 4x5, 3¼x4¼ Spring-finger Kits, and one sheet of Flashed Opal Glass	$55.00
Extra Lens Board	.80

Century Studio Outfit No. 4A



8x10

Designed for the average studio where long focus lenses cannot be used to advantage.

The camera has a bellows draw of 22 inches and a 9x9-inch lens board. Liberal swings, vertical and horizontal are provided. Sliding Ground Glass Carriage (furnished) permits making full 8x10 or two 5x8 negatives on one film or plate.

Equipment also includes one 8x10—5x7 Reversible Adapter Back with film or plate holder.

PRICES

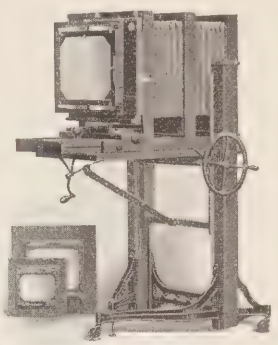
Century Studio Outfit No. 4A complete consists of an 8x10 Century Studio Camera No. 4A with Sliding Ground Glass Carriage No. 4A, one 8x10—5x7 Reversible Adapter Back, two Wing Kits for making two 5x8 exposures on the 8x10 or two 3½x5 exposures on the 5x7 film or plate, and one 8x10 and one 5x7 Eastman Film or Plate Holder and the Century Studio Stand No. 4A $150.00

WHEN FURNISHED SEPARATELY

8x10 Century Studio Camera No. 4A with Sliding Ground Glass Carriage No. 4A, one 8x10—5x7 Reversible Adapter Back with two Wing Kits, and one 8x10 and one 5x7 Eastman Film or Plate Holder 105.00

Extra Lens Board 9x9 . . . . . 1.75

Century Studio Outfit No. 8A



11x14

Adaptable to the most exacting work, this outfit has a negative size of 11x14 inches; a 10x10 lens board and a bellows draw of 43 inches. Both vertical and horizontal swings are provided.

Three wing kits are supplied and these permit making two 7x11 exposures on the 11x14, two 5x8's on the 8x10, or two 3½x5's on the 5x7 film or plate. The stand is sturdy and can be raised to 49 inches or lowered to within 14 inches of the floor.

PRICES

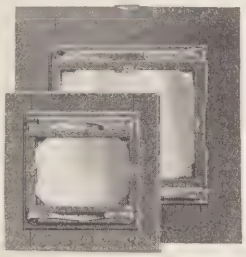
Century Studio Outfit No. 8A complete consists of an 11x14 Century Studio Camera No. 8A with one Sliding Ground Glass Carriage No. 8A, one 11x14—8x10 and one 8x10—5x7 Reversible Adapter Back, three Wing Kits described above, one 11x14 Sterling Film or Plate Holder, one 8x10 and one 5x7 Eastman Film or Plate Holder and the Century Semi-Centennial Stand No. 2A . . $275.00

WHEN FURNISHED SEPARATELY

Century Studio Camera No. 8A with Sliding Ground Glass Carriage No. 8A, one 11x14—8x10 and one 8x10—5x7 Reversible Adapter Back, three Wing Kits described above, and one 11x14 Sterling Film or Plate Holder and one 8x10 and one 5x7 Eastman Film or Plate Holder 210.00

Extra Lens Board, 10x10 . . . . . 2.00

Reversible Adapter Backs



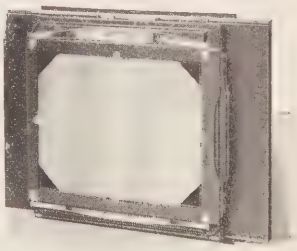
This adapter fits the Sliding Ground Glass Carriage of studio cameras and includes a spring-actuated ground glass back and one Film or Plate Holder. If designed for other than Century Studio Cameras, the camera back should be sent in for fitting for which an extra charge is made.

Size of Camera	Size of Holders	Price
8x10	5 x 7	$16.00
8x10	6½x 8½	17.00
8x10	8 x10	18.00
11x14	8 x10	22.00
11x14	11 x14*	26.00

*With Sterling Film or Plate Holder.

NOTE—In ordering, please specify what camera the back must fit and whether light or dark finish is wanted. Film Holders will be supplied unless otherwise specified.

Sliding Ground Glass Carriage



A great convenience on a Studio Camera, adapting it to double Film or Plate Holders, and by its sliding movement bringing either half of the Film or Plate in front of the center of the lens. For fitting the carriage to cameras other than those mentioned, an extra charge is made.

PRICES

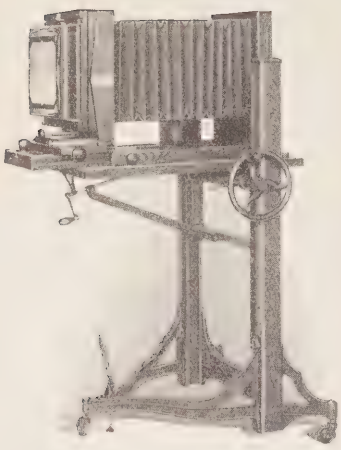
8x10 (for Century Studio Cameras No. 4A or 10A) with one 8x10 Eastman Film or Plate Holder* . . $35.00

11x14 (for Century Studio Camera No. 8A) with one 11x14 Sterling Film or Plate Holder* . . . 50.00

*In ordering, please specify the camera to which the carriage is to be fitted, and whether light or dark finish is wanted. Film Holders will be supplied unless otherwise specified.

Century Studio Outfit No. 10A

The Most Popular Outfit Available



8x10

The widest possible scope of studio work is permitted by the versatility of this camera. It's 36-inch bellows extension permits the use of extremely long focus lenses while its compactness makes possible the use of the shortest focus lens that will cover an 8x10 film or plate.

The camera is made of mahogany and cherry with brass parts in sand-blast finish.

Wing kits are supplied for making two 5x8 exposures on one 8x10 or two 3½x5 exposures on one 5x7 film or plate when the holder is in horizontal position.

The Century Semi-Centennial Stand, No. 1A, which is included in the complete outfit, has a maximum elevation of 49 inches and a minimum of 14 inches. The minimum elevation is an advantage in child portraiture.

PRICES

Century Studio Outfit No. 10A complete consists of the 8x10 Century Studio Camera No. 10A with Sliding Ground Glass Carriage No. 10A, one 8x10—5x7 Reversible Adapter Back, two Wing Kits, one 8x10 and one 5x7 Eastman Film or Plate Holder and the Century Semi-Centennial Stand No. 1A $180.00

WHEN FURNISHED SEPARATELY

Century Studio Camera No. 10A with Sliding Ground Glass Carriage No. 10A, one 8x10—5x7 Reversible Adapter Back, two Wing Kits and one 8x10 and one 5x7 Eastman Film or Plate Holder 120.00

Extra Lens Board, 9x9 . . . . . 1.75

NOTE

All Century Studio Outfits will be equipped with Film Holders unless otherwise specified.

CAMERA STANDS

Folmer Compact Stand

This stand is strong, rigid and extremely light in weight. It may be raised to 53 inches or dropped to 26½ inches from the floor.

The center post is a hollow brass tube sliding in aluminum castings while metal braces firmly hold the legs.

The felt covered revolving top is 6¾x9½ inches and may be tilted and locked at any angle up to 90°, at which point it may be used for vertical pictures. Its metal parts are sand blasted and finished in bronze, the woodwork in mahogany. The weight complete is 6¾ pounds.

Folmer Compact Stand $20.00

Folmer Laboratory Stand No. 2

The 8x10, Folmer Laboratory Stand, No. 2, consists of a solid base measuring 20½x40¼ inches, with two uprights supporting a tilting track (39¾ inches above the floor), which may be swung and held in any position, describing an arc of 180 degrees.

Two sliding platforms hold a copy or negative holder with which is furnished a spring finger copy holder, a set of spring finger kits and a ground glass.

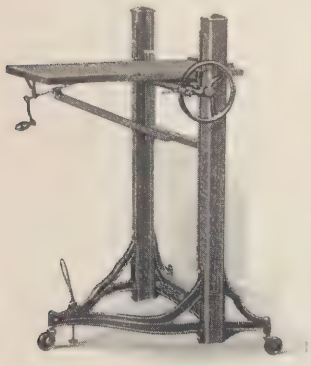
Closed, the top measures 72x16⅛ inches and when fully extended is 7 feet 4 inches long.

This Stand accomodates either the Crown Enlarging, Reducing and Copying Camera or the Folmer Commercial Camera, as well as special cameras, such as are used by engravers.

PRICES

No. 2 Folmer Laboratory Stand with Spring Finger Copy Holder, Kits and Ground Glass $160.00

Century Semi-Centennial Stand



Its bed may be elevated to 49 inches or dropped to 14 inches from the floor, thus making it unnecessary to tilt the camera even when taking pictures of children. In addition the platform may be tilted by an easily operated screw adjustment. The camera platform is supplied in two lengths—30 and 37 inches.

The wide-spreading triangular metal base is fitted with three casters and a jack. The floor space used is 29x33 inches. The stand is finely finished in dark mahogany with platform covered with brown felt.

PRICES

Century Semi-Centennial Stand No. 1-A with platform, 30x17 inches, for 8x10 cameras	$60.00
No. 2-A with platform 37x17 inches, for 11x14 cameras	65.00
Extra Casters, each	1.00

No. 3A Century Studio Stand

Made of hard wood with cherry finish, and black enameled metal parts. The stand is raised and lowered by a self-locking spiral. The top is covered with felt and provided with a tilting device. When the camera is to be tilted forward the rear of the top is lifted to the desired point, where it locks and remains in position until released.

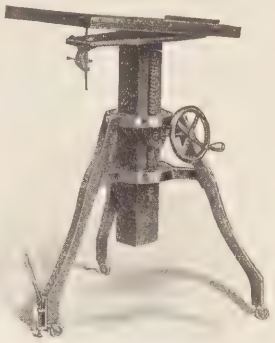
PRICES

Century Studio Stand No. 3	$35.00
Extra Casters, each	.75

Casters for Camera Stands

Century Semi-Centennial, felt or rubber, each	$1.00
Century Studio Stand No. 3A, felt only, each	.75
Century Studio Stand No. 4A, felt only, each	.75
Century Grand Stand No. 2, rubber only, each	1.25

No. 4A Century Studio Stand

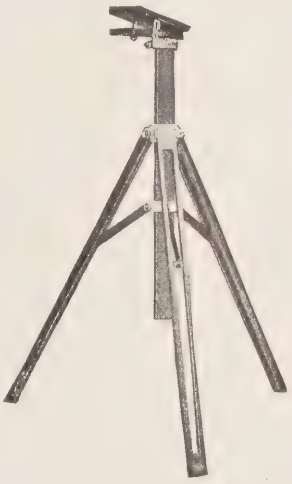


This stand is strong and durable. It is raised and lowered by a positive self-locking spiral device. The stand rests upon three felt casters, and is equipped with the floor-gripping Century Camera Jack operated by the foot. The top is covered with felt and is fitted with the Century Automatic Tilting Device. Made of hard wood, dark mahogany stained; metal parts enameled.

PRICES

Century Studio Stand No. 4A	$45.00
Extra Casters, each	.75

Korona Folding Studio Stand



Supplied in two sizes, the Korona is a compact, portable support furnished with adjustable extension legs and revolving top. It is made of cherry, finished in walnut.

In home portraiture, the photographer will find it useful as it is very rigid, yet the weight is kept down to a minimum. The three legs open simultaneously. The stand is adjustable for height from 31½ to 45 inches and the top is detachable and adjustable for inclination. Maximum height, 60 inches. Weight of the No. 1, 4 lbs.; No. 2, 6 lbs.

PRICES

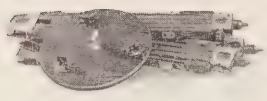
No. 1 for 5x7 and smaller Cameras	$14.00
No. 2 for 6½x8½ and larger Cameras	17.00

Century Camera Stand Jack

This useful device locks the stand rigidly in position to prevent any movement. When the lever is pressed down the rear caster is removed from the floor and the weight transferred to the base of the jack.

Century Camera Stand Jack	$2.00

Crown Tripod



CROWN TRIPOD

A rigid, four-section tripod, made of selected cherry. The two lower sections telescope into the third upon which the upper section folds back. Expansion brackets in the upper section and taper pins prevent side play. An extra tripod socket in top, set off center, is useful for counter-balancing the weight when a long bellows extension is employed.

Crown Tripods	Length Closed	Extended	Weight	Diameter of Top	Price
No. 1	16¼ in.	41½ in.	36 oz.	4 in.	$10.00
No. 2	17¼ in.	4⅔ ft.	65 oz.	6 in.	11.00
No. 4	20 in.	5½ ft.	90 oz.	6½ in.	13.50
Extra Crown Head Screws, each					.60

Carrying Cases for Crown Tripods:

No. 1, Sole Leather	$ 7.50
No. 2, Sole Leather	8.50
No. 4, Sole Leather	10.00

Professional Tripod

Similar in construction to the Crown Tripod except that it is made in three sections, the lower one of which telescopes into the center. For 14x17 or smaller cameras.

Length closed, 24½ in., extended, 5 ft., weight, 11¼ lbs., diam. of top, 11½ in.	$22.00
Extra Professional Tripod Head Screws	.60

Crown Tilting Tripod Top

Two wooden blocks joined by a piano hinge, form this tilting top. The camera is attached by a tripod screw to the upper block and may be tilted at any angle and locked. The device is especially useful for photographing vertically. Nos. 1, 2 and 4 fit the Crown Tripod of corresponding number. The Professional fits the Professional Tripod.

	No. 1	No. 2	No. 4	Professional
Size	4¼x5¾	6x7	6¾x8	12x12
Price	$3.75	$4.00	$4.50	$15.00

Rubber Tripod Tips

These tips will prevent tripods from slipping on smooth surfaces. Furnished in two sizes. No. 17, ⅝-inch inside diam.; No. 18, ⅞-inch inside diam.

No. 17 or No. 18, per set of three $0.25

Combination Tripod

A strong and serviceable three-section tripod made in two sizes to accommodate cameras from 6½x8½ to 10x12. The lower section telescopes into the middle section and the upper section folds back upon the second. The tripod is made of ash with lacquered brass trimmings.

COMBINATION TRIPOD

	Length Closed	Extended	Weight	Diameter of Top	Price
No. 2½	22½ in.	55 in.	3⅞ lbs.	5 in.	$7.50
No. 3	22¾ in.	55 in.	4⅛ lbs.	5¾ in.	8.50
Extra Combination Tripod Head Screws					.30

Century 12-Foot Tripod

This tripod is made for use where extreme elevation is necessary. It is strongly made and as light as safety and rigidity permit. The lower section telescopes into the center.

Length closed, 57 in., extended, 12 ft., weight 30½ lbs., diameter of top 11½ in.

Century 12-Foot Tripod $40.00

Korona Tripod

Korona Tripods are noted for their lightness and portability—two features which will be appreciated by the commercial photographer.

They are made with V-shaped grooves which add strength and rigidity to the tripod legs and make possible a joint which is free from looseness when clamped together.

The No. 4, Sliding Tripod has a detachable head, 8 inches in diameter which makes it valuable for use with large sized cameras. The weight of the No. 3 Tripod is 3 pounds and of the No. 4, 6 pounds.

No. 3 Sliding Tripod for 8x10 Cameras	$8.00
No. 4 Sliding Tripod for Larger Cameras	9.50

Eastman Tripod Brace

Consists of three adjustable brass arms joined at the center. Clamps at the outer ends grasp the tripod legs and prevent collapse of the tripod when lifted for moving.

Eastman Tripod Brace $1.50

Carrying Cases for Cameras

Eastman Commercial Camera, 8x10:	
Black Fibre Case	$12.00
Folmer Commercial Camera:	
Leatherette Case for 8x10 Camera	17.00
Leatherette Case for 11x14 Camera	20.00
Eastman Home Portrait Camera, No. 3:	
Canvas Case for Camera and Six Holders	9.00
Canvas Case for Camera and Six Holders and Sliding Ground Glass Carriage	9.00
Home Portrait Graflex, 5x7:	
Sole Leather Case	26.50
Eastman View Camera No. 2 or 2D:	
Fibre Carrying Case for 5x7 Camera, six Holders, Tripod and Focusing Cloth	11.00
Fibre Carrying Case for 8x10 Camera, six Holders, Tripod and Focusing Cloth	12.00
Eastman View Camera, 11x14:	
Canvas Carrying Case for Camera	13.50
Korona Pictorial View Camera:	
Leatherette Case for 3¼x4¼ Camera	6.00
Leatherette Case for 5 x7 Camera	7.00
Leatherette Case for 8 x10 Camera	10.00
Folmer Banquet Camera:	
Leatherette Case for Camera	16.00
Folmer Finger Print Camera:	
Sole Leather Case	13.00
Cirkut Camera, No. 10:	
Leather Case for Camera only	20.00
Leather Case for Tripod and Gear Box	15.50
Revolving Back Graflex, Series B:	
Sole Leather Case for 2¼x3¼ Camera	9.00
Sole Leather Case for 3¼x4¼ Camera	12.00
Sole Leather Case for 4 x5 Camera	15.00
Revolving Back Graflex, Series D:	
Sole Leather Case for 3¼x4¼ Camera	12.00
Sole Leather Case for 4 x5 Camera	15.00

Eastman Film Holders

No. 1 for Century View Cameras, Century Studio Reversible Backs, Eastman View Cameras; Premo in size 5x7 only; the 5x7 and 8x10 Graphic Cameras and R.O.C. View in 5x7 and 8x10 only—in sizes 4¼x6½, 4¾x6½, 5x7, 6½x8½, 7x11 and 8x10 inches.

No. 2 for Universal, Eastman (Empire State) and Premo View Cameras—in sizes 5x7, 5x8, 6½x8½ and 8x10. For 11x14 size, use Sterling Film Holder.

No. 4 for Premo 6½x8½ Hand Camera, and R.O.C. 6½x8½ View Camera.

*4¼x6½	$2.50	6½x 8½	$2.75
*4¾x6½	2.50	7 x11	3.00
5 x7	2.50	8 x10	3.00
5 x8	2.60		

*Outside measurements same as 5x7.

Banquet Film Holder. 7x17 . . . . . $10.00

New Model Eastman Film Holder No. 1

Has hard rubber slides and metal light trap support.

5x7 . . . . $2.75 | 8x10 . . . . $3.50

No. 5 Film and Plate Holders

For 8x10 Century View, Eastman View, Graphic and R.O.C. Cameras, and Century Studio Reversible Backs $4.00

Eastman Plate Holders

(Formerly Eastman View Plate Holder)

5 x7	$2.50	7x11	$3.00
6½x8½	2.75	8x10	3.00

Graflex Holders

Cut Film	Plate	Price, each
2¼x3¼	2¼x3¼	$2.50
3¼x4¼	3¼x4¼	2.75
3¼x5½	3¼x5½	3.00
4 x5	4 x5	3.00
5 x7	5 x7	4.00

Graflex Film and Plate Magazines

Cut Film	Plate	Price, each
2¼x3¼	2¼x3¼	$13.00
3¼x4¼	3¼x4¼	14.50
3¼x5½	3¼x5½	15.50
4 x5	4 x5	15.50
5 x7	5 x7	18.00
.....	4¾x6½	18.00

Graphic Holders

Cut Film	Plate	Price, each
3¼x4¼	3¼x4¼	$2.50
3¼x5½	3¼x5½	2.50
4 x5	4 x5	2.50
6½x8½	6½x8½	3.00
8 x10	.....	4.00

Sterling Film and Plate Holders

8x10 . . . . $4.50 | 11x14 . . . . $9.00

Korona Film and Plate Holders

3¼x4¼	3¼x5½	4x5	5x7	6½x8½	7x11	8x10	10x12	11x14
$2.00	$2.00	$2.00	$2.25	$2.50	$2.75	$2.75	$6.75	$6.75

Universal Plate Holders

For Premo View and Empire State Cameras

5 x7	$2.50	8x10	$3.00
6½x8½	2.75	11x14	7.00

View Plate Holder Kits

For holding small plates in large holders

Made of well seasoned material that will not warp, finished in dead black, and of correct size to nest perfectly.

Outside	Size of Opening for Plates	
4 x 5	3¼x4 and 3¼x4¼	$0.35
5 x 7	3¼x4, 3¼x4¼, 3¼x5½, 4x5, 4¼x6½	.40
6½x 8½	3¼x4¼, 4x5, 4¼x6½ and 5x7	.50
7 x11	5x7	.60
8 x10	5x7 and 6½x8½	.60

Film and Plate Holder Slides

All the slides listed below will be found extremely serviceable. They are made of tough, hard materials, but are not brittle and they slide easily. Will not crack or electrify.

The sizes listed are for use in:—Eastman Film and Plate Holders; Graflex Film and Plate Holders; Graphic Film and Plate Holders; Sterling Film and Plate Holders; Banquet Film and Plate Holders; Kodak Film Pack Adapters; Graflex Film Pack Adapters; Graphic Film Pack Adapters; Century Plate Holders; Eastman No. 1 Film Holders.

2¼x3¼	$0.40		6½x 8½		$0.80
3¼x4¼	.45		8 x10		1.00
3¼x5½	.50		7 x11		1.00
4 x5	.50		11 x14		1.60
5 x7	.60		12 x20		2.50

(In ordering state size, make and kind of holder in which slide is to be used.)

Graflex Roll Holder Slides

3¼x2¼	(No. 50)	$0.25	5x4	(No. 53)	$0.45
4¼x3¼	(No. 51)	.35	7x5	(No. 54)	.55
5½x3¼	(No. 52)	.45			

Graflex Film and Plate Magazine Slides

2¼x3¼	$0.60	4x5	$0.75
3¼x4¼	.70	5x7	.90
3¼x5½	.75		

Kodak Cut Film Sheath

Adapts a plate holder to the use of Kodak Cut Film. It is made of aluminum, ribbed to insure a uniform focal plane. Instantly inserted or removed.

2¼x3¼	$0.10	4x 5	$0.15
2½x3½*	.10	9x12 cm.	.10
3¼x4¼	.10	10x15 cm.	.15
3¼x5½	.15		

*Fits the English 2¼x3¼-inch Plate Holders and the French and German 6.5x9-cm. Plate Holders.

Eastman Film Sheaths

For converting plate holders to the use of cut film.

No. 1

For use with 5x7 and 8x10 Century Curtain Slide Holders only.

4¼x6½	$0.20	6½x 8½	$0.35
4¾x6½	.20	8 x10	.40
5 x7	.20	10 x12	.60

No. 3

For use with View Plate Holder.

4¼x6½	$0.20	6½x 8½	$0.25
5 x7	.20	8 x10	.30

Focusing Cloth

Eastman Professional Focusing Cloth

Made of extra heavy cloth, 1¼x1 yard square, with bound edges $1.50

Eastman Home Portrait Focusing Cloth

A silk finish fabric with bound edges. Measures 40x48 inches. $1.75

Eastman Rubber Focusing Cloth

First quality of rubberized cloth. Medium weight. One yard square $1.00

Majestic Rubber Focusing Cloth

A very fine grade of rubberized material is used in making up this focusing cloth. It is supplied 36 inches wide and in any length. Per yard $0.70

Changing Bags

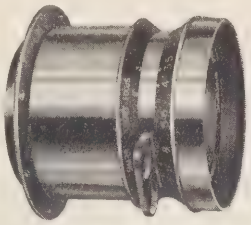
Film or plate holders may be loaded in the daylight with this convenience. The holders and a box of film or plates are put in the bag at one end. The hands are inserted through the sleeves and the changing is done without loss of time.

4x5	5x7	8x10
$3.50	$4.00	$5.00

Camera Bellows

Eastman View Camera, No. 2 and No. 2D:	
5 x 7	$10.00
6½x 8½	12.00
8 x10	13.00
7 x11	14.00
Eastman View Camera, 11x14	13.50
Century Lantern Slide Camera	13.80
Folmer Commercial Camera:	
8x10	20.00
11x14	26.00
Folmer Banquet Camera:	
12x20	17.00
Cirkut Camera:	
No. 10	13.00
Century Studio Camera;	
No. 4A, 8x10	9.20
No. 8A, 11x14	21.00
No. 10A, 8x10	20.00
Crown E. R. & C. Camera:	
8x10	20.00

Taylor-Hobson Cooke Portric Series IIa—*f*:3.5



Working at *f*:3.5—the Portric is invaluable in making negatives of restless subjects in weak light.

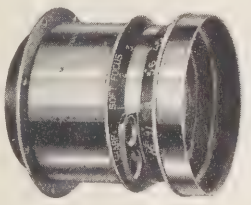
The Portric series are anastigmats giving a flat field, critical definition and matchless illumination.

They are supplied with iris diaphragm and a diffusing device giving three degrees of diffusion. The desired degree of diffusion can be obtained quickly by rotating a stop device which clicks off the degrees as reached.

The portrait should always be re-focused after diffusion to obtain the exact effect desired.

Equivalent Focus *Inches*	Plate Covered for Studio Portraiture *Inches*	Plate Covered at Full Aperture at Infinity *Inches*	R. P. S. Standard Flange-screw *Inches*	PRICE
9½	5 x7	4¾x 6½	3½	$177.50
10½	6½x 8½	5 x 7	3½	207.50
12½	8 x10	6½x 8½	4½	266.50
15	10 x12	8 x10	5	385.00

Taylor-Hobson Cooke Portrellic Series IIb and IIc—*f*:4.5



The Portrellic, *f*:4.5, the most useful and popular lens for general studio work. It is furnished with iris diaphragm and the regular type has a diffusing device—the same as the other lenses in the Portrait series. A Home Portrait Type is also available.

This Home Portrait type is furnished without diffusing device in a light and compact mound which brings the size down to the minimum—thus enabling Home Portrait Workers to use the Portrellic on View and Home Portrait cameras.

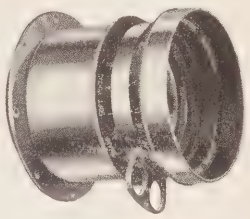
Series IIb—With Diffusing Device

Equivalent Focus *Inches*	Plate Covered for Studio Portraiture *Inches*	Plate Covered at Full Aperture at Infinity *Inches*	R. P. S. Standard Flange-screw *Inches*	PRICE
10½	6½x 8½	5x 8	2¾	$133.50
12¾	8 x10	7x 9	3½	185.00
15	10 x12	8x10	4½	244.50
18	11 x14	10x12	5	414.50

Series IIc—Home Portrait Type

Equivalent Focus *Inches*	Plate Covered for Studio Portraiture *Inches*	Plate Covered at Full Aperture at Infinity *Inches*	R. P. S. Standard Flange-screw *Inches*	PRICE
10½	6½x 8½	5x 8	2¾	$133.50
12¾	8 x10	7x 9	3½	185.00
15	10 x12	8x10	4	244.50

Taylor-Hobson Cooke Portronic Series VI—*f*:5.6

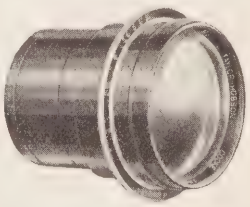


The Portronic, working at *f*:5.6, is the supreme lens for groups and all pictures where great depth of focus is required. Lower in price than its speedier fellows, for the same focal lengths, it does its work in a most satisfactory and creditable manner.

It is adapted for use on any model Portrait or View camera.

Equivalent Focus *Inches*	Plate Covered for Studio Portraiture *Inches*	Plate Covered at Full Aperture at Infinity *Inches*	R. P. S. Standard Flange-screw *Inches*	PRICE
13	8x10	7x 9	2¾	$133.50
15½	10x12	8x10	3½	185.00
18	11x14	10x12	4½	259.00

Taylor-Hobson Cooke Opic Series O—*f*:2



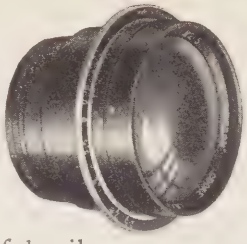
Combined with the extreme aperture of *f*:2, Opic lenses offer a fully corrected anastigmatic field of the same angle as that of the leading *f*:4.5 anastigmats.

In addition to their speed and covering power, this series offers fine color corrections, adapting them well for instantaneous exposures in direct color photography.

More than *five times* the speed of *f*:4.5 lenses. Such speed opens a new and fascinating field for the user—in the realm of ordinary artificial light, in the home or in any place he may wish to work.

Equivalent Focus *Inches*	Plate Covered at Full Aperture *Inches*	Diameter of Circle of Illumination *Inches*	Flange-screw *Standard Mount*	Flange-screw *Sunk Focusing Mount*	PRICE *Standard or Sunk Mount*	PRICE *Sunk Focusing Mount*
4¼	2½x3½	6.0	2¼	2½	$185.00	.....
5½	3¼x4¼	7.3	2¾	3	281.50	$303.50

Taylor-Hobson Cooke Speedic Series X—*f*:2.5



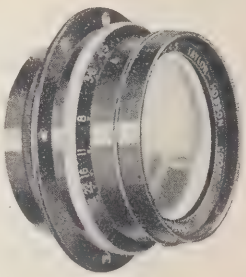
Speedic lenses will prove of great value to speed specialists and others doing abnormally difficult work. Negatives made with them are uniformly bright, sharply covered, and they invite enlargement without loss of detail.

Newspaper men and others who work in all sorts of weather, will find the Speedic dependable and fast enough for every occasion. Working at *f*:2.5, they are twice as fast as lenses working at *f*:3.5, and more than three times as fast as *f*:4.5 lenses.

The 9½-inch lens can be used on View and Portrait cameras fitted with focal plane shutters. Their speed is sufficient for working in ordinary studio light in fractional parts of a second.

Equivalent Focus *Inches*	Plate Covered at Full Aperture *Inches*	Standard Flange-screw *Inches*	Price
5¼	2¼x3¼	2½	$129.50
6⅜	3¼x4¼	3	155.50
7¾	4 x5	3½	185.00
9¼	4¾x6½	4	259.00

Taylor-Hobson Cooke Aviar Series II—*f*:4.5



Negatives made with Aviar lenses have a snap and brilliance which cannot be equalled with any other lens, a quality which will be best appreciated when enlargements are to be made.

Throughout the range of their own plate, the definition is sharper than that of any other lens of equal aperture. They are not, however, intended for use on larger plates than the regularly listed size.

Equivalent Focus *Inches*	Plate Covered at Full Aperture *Inches*	R. P. S. Standard Flange-screw in Inches *Standard Mount*	*Sunk Mount*	Price *Standard or Sunk Mount*	*Sunk Focusing Mount*	*In Cells for Shutters*
3¾	2¼x3¼	1¼	...	$ 44.50	.....	$35.50
4¼	2½x3½	1¼	...	46.50	.....	37.00
5¼	3¼x4¼	1½	1¾	53.50	$64.50	44.00
6	4 x5	1¾	2	61.00	72.50	52.00
7	4 x6	1¾	2¼	76.00	91.00	65.00
8¼	4¾x6½	2¼	...	104.00	.....	92.50
10	5 x7	...	...	126.00	.....	.....
12½	7 x9	3½	...	207.50	.....	.....
13½	8 x10	3½	...	222.00	.....	.....

Taylor-Hobson Cooke Pressic Series IIa—*f*:3.5

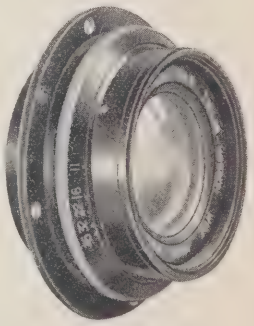
In design and mounting, the Pressic series offers an extremely light lens suitable for use on cameras equipped with high speed shutters.

The optical design gives a beautifully flat field, and exceptional freedom from distortion and astigmatism, combined with perfect color corrections.

The great speed of these lenses when used at full aperture *f*:3.5, enables the user to make exposures in practically half the time required for *f*:4.5 lenses. This speed is particularly valuable when taking pictures in shadow, late in the day, on dark porches or in dim interiors.

Equivalent Focus *Inches*	Plate Covered at Full Aperture *Inches*	Diameter of Circle of Illumination (Approx.) *Inches*	R. P. S. Standard Flange-screw in inches *Standard Mount*	*Sunk Mount*	Price *Standard or Sunk Mount*
5	2½x3½	6	1¾	2¼	$ 80.00
6¼	3¼x4¼	7½	2¼	2½	94.50
7½	3¼x5½	9	2½	2¾	113.00

Taylor-Hobson Cooke Anglic Series VIIb—*f*:6.5



For all work demanding good definition, accurately focused throughout a wide angle of view.

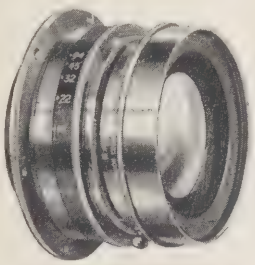
Focusing may be accomplished easily and it should be done near the center of the plate. The largest aperture engraved on the iris scale is *f*:11 but, for exceedingly fine definition, exposures should be made at *f*:16 if the light permits. They are for use on view cameras.

Equivalent Focus *Inches*	Plate Covered at *f*:16 *Inches*	R. P. S. Standard Flange-screw *Inches*	Price
2½	3¼x 4¼	1¼	$59.00
3¼	3¼x 5½	1¼	59.50
4¼	5 x 7	1¼	60.00
5¼	6½x 8½	1¼	63.00
6¼	8 x10	1½	70.50
8	10 x12	1¾	85.00
8¾	11 x14	1¾	85.00

Taylor-Hobson Cooke Process Apochromatic Series IX—*f*:10, *f*:16

To meet the exacting requirements of the Photo-Engraver specializing in three-color and similar work the series IX, Apochromatic Process Lens has been designed.

Through the introduction of new optical glass and a modification of the normal Cooke lens formula, it has been found possible to produce a combination which is guaranteed to answer the most exacting color tests.



The Apochromatic lenses are provided with a removable lens-hood which can be covered with a cap. The screw thread which receives this hood will receive also any prism fitted with a standard screw.

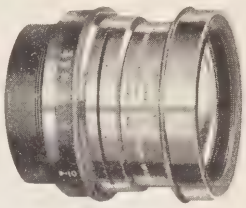
An iris diaphragm is provided and in front of it is a slot to receive process diaphragms if necessary. This slot may be closed or opened by revolving the inscription tube.

Series IX lenses are for use on Engravers' cameras, also View, Commercial and Copying cameras.

Approximate Equivalent Focus	Full Aperture	Plate Covered at Full Aperture: Object and Image same size	Image half size of object	Price
Inches		*Inches*	*Inches*	
13		9x13	8x10	$166.50
16		12x15	10x14	192.50
18	*f*:10	13x18	12x15	222.00
21		16x20	14x18	281.50
25		18x25	16x20	355.50
30		20x30	20x24	481.00
36	*f*:16	24x36	24x30	629.00
42*		30x40	30x36	777.00
48*		36x48	30x40	925.00

*Made to order only.

Taylor-Hobson Cooke Process Series Vb—*f*:8, *f*:10, *f*:16



Cooke Process Lenses, Series Vb, are so well known that their reputation as the best for half-tone and line work is firmly established.

They help, consistently, in the obtaining of prints with "selling value"—a value which is absolutely necessary where commercial prints are to be used for advertising and publicity campaigns.

Like the Apochromatic Series, they are fitted with a removable lens-hood. The screw thread which receives this hood will receive also any prism fitted with a standard screw.

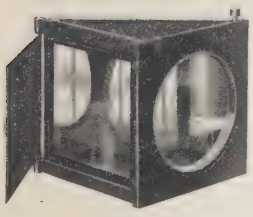
Instead of the old fashioned stops with circular openings, these lenses now have an iris diaphragm with a slot in front to receive process diaphragms when necessary.

Series Vb lenses are for use on Engravers' cameras, also View, Commercial and Copying cameras.

Approximate Equivalent Focus	Full Aperture	Plate Covered at Full Aperture: Object and Image same size	Image half size of object	Price
Inches		*Inches*	*Inches*	
9		7x 9	6x 7½	$ 74.00
11	*f*:8	8x10	7x 9	81.50
13		9x13	8x10	104.00
16		12x15	10x14	133.50
18	*f*:10	13x18	12x15	163.00
21		16x20	14x18	192.50
25		18x25	16x20	259.00
30		20x30	20x24	333.00
36	*f*:16	24x36	24x30	481.00
42*		30x40	30x36	629.00
48*		36x48	30x40	777.00

*Made to order only.

Taylor-Hobson Cooke Process Prisms



The high standard of excellence reached in Cooke Process Lenses is maintained fully in Cooke Process Prisms. The accuracy of each surface is guaranteed and the convenience of the mountings unique.

The prism-box is fitted with a rotating flange which screws into the front of the lens after the hood has been removed. A small lock attached to this flange, clamps the prism at any angle.

The outside surface of the prism is fully protected by a convenient exposure flap.

Size in *Inches*	To Suit Lenses (*Focus in inches*)	Price
2½	9, 11 and 13-inch Vb—13 and 16-inch IX	$140.00
2¾	16-inch Vb—18-inch IX	144.50
3	18-inch Vb	149.50
3¼	21-inch Vb—21 and 25-inch IX	168.00
3½	25-inch Vb	186.50
4	30-inch IX	298.50
4½	30 and 36-inch Vb—36-inch IX	364.00
5½	42 and 48-inch Vb—42 and 48-inch IX	727.50

Taylor-Hobson Cooke Telephoto Series VIIIb—*f*:3.5—Eltic Series VIII—*f*:5.6—Telic

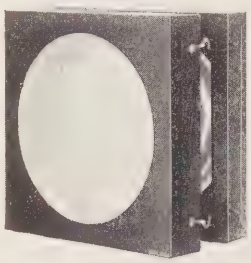
The Eltic *f*:3.5, and the Telic *f*:5.6, are high speed lenses of long focus requiring only a short bellows extension.

They give large images of far distant objects and can be used for both time and instantaneous exposures of scenes which ordinary lenses would render too small.

The photographer who wishes unobserved to obtain views, such as portraits of celebrities, etc., can stand far away and secure an image of the same size as with a normal lens used close at hand. At twice the distance this image will be the same in size as with the ordinary lens, and at the same distance twice the size.

Series	Approximate Equivalent Focus *Inches*	Plate Covered at Full Aperture *Inches*	Camera Extension at Infinity (Approx.) *Inches*	R. P. S. Standard Flange-screw *Inches*	PRICE
f:3.5 Eltic	8	2½x3½	4⅞	2½	$229.50
	10½	3¼x4¼	6¼	2¾	296.00
f:5.6 Telic	8½	2½x3½	5¼	1½	81.50
	11	3¼x4¼	6¾	1¾	96.50
	12½	4 x5	7¼	1¾	107.50
	15	5 x7	9	2¼	148.00
	20	6½x8½	12¼	2¾	296.00

Bausch & Lomb Condensing Lenses



These condensing lenses are well annealed, carefully ground and polished and have long been considered standard for enlarging purposes.

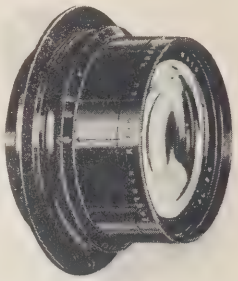
The improved mount, opens up like a book. The outer surface of the mount is protected by metal and the condensers may be placed safely on edge.

CONDENSER SPECIFICATIONS

Diameter in Inches	Focus in Inches	E. F. of Pair., Inches	For Negatives, Inches	One Condenser Unmounted	Pair of Condensers Mounted
6½	10	6	3¼x 5½ / 4 x 5	$6.00	$19.00
8	12	7	4¾x 6½	9.00	26.00
9	14	8	5 x7	12.00	33.00
10	15	9	5 x8	15.00	40.00
12	18	10	6½x 8½	30.00	72.00
14	21	11	8 x10	45.00	103.00

Be sure to state diameter of condenser when ordering.

Kodak Anastigmat *f*:4.5



One of the outstanding products of the Kodak lens factories is the Kodak Anastigmat *f*:4.5.

It was designed to give camera workers a lens of great speed and the highest quality at a moderate price. It gives perfect definition and flatness of field over the entire area of the plate for which it is listed.

It is used as regular equipment on Special Kodaks, Graflex and other high speed cameras. The various focal lengths offered cover a wide range of photographic work.

	Size of Film or Plate covered at *f*:4.5	Equivalent Focus in inches	In barrel with Iris Diaphragm	In Compound Shutter
No. 30	2¼x 3¼	4⅜	$ 31.00	$ 48.75
No. 31	3¼x 4¼	5½	35.25	53.00
No. 32	4 x 5	6⅜	41.00	60.50
No. 33	5 x 7	7½	50.00	70.00
No. 34	5 x 8	8½	62.50	85.75
No. 35	6½x 8½	10	108.00	140.75
No. 36	8 x10	12	150.00	187.50

Bausch & Lomb Extreme Wide Angle Protar Series V *f*:18

The Series V, *f*:18, Protar is suitable for extreme wide angle work, architectural and commercial photography, and for confined interiors.

The corrections for flatness of field and astigmatism have been carried to a very high degree of perfection.

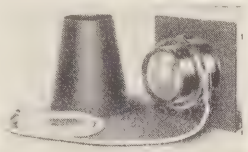
No.	Plate Covered with Stop *f*:18 Inches	Plate Covered with Small Stops Inches	Equivalent Focus Inches	Diameter of Lens Inches	Lens and Barrel with Iris Diaphragm	In Volute Shutter without Barrel
1	4 x 5	4¼x 6½	3 1/16	1 1/32	$27.00	$50.00
2	5 x 7	6½x 8¼	4 7/16	1 7/32	27.00	50.00
3	6½x 8½	8 x10	5 13/16	1 9/32	31.00	54.00
4	8 x10	11 x14	7 5/16	1 11/32	40.00	63.00
5	10 x12	14 x17	8½	1 5/8	47.50	70.50
6	11 x14	18 x22	10 9/16	1 7/8	61.50	84.50
7	12 x15	20 x24	12 7/16	1¼	76.00	99.00
7a	16 x18	22 x27	15⅜	1 3/16	96.50	119.00
8	14 x17	17 x20	18 5/16	1 11/16	114.00	137.00
9	16 x18	22 x27	24⅞	1½	175.00	200.00
10	20 x25	24 x30	37¼	2 1/16	288.00	313.00

Each lens in barrel is furnished in a case which protects it from injury. Lens cap and flange are included. When lens is ordered in shutter, case is not furnished.

Bausch & Lomb Sigmar

Designed particularly for making portraits, heads, etc., with more softness than those obtained by the use of anastigmat lenses.

Focal Length	Size of Plate	Speed	Price
16 in.	8x10 in.	*f*:4	$155.00
19 in.	11x14 in.	*f*:4	190.00
22 in.	12x15 in.	*f*:4.9	215.00

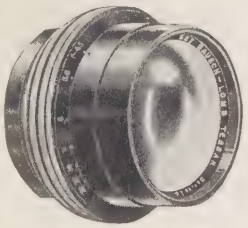


NOTE—The above prices include lens fitted to studio shutter, 10 feet of tubing and large bulb, correctly designed hood, and mounted on a 9x9-inch or 10x10-inch dark mahogany finish frontboard, ready to attach to studio camera.

Flange size, 5⅜ inches inside by 6⅞ inches outside diameter for all focal lengths.

When ordering state size of frontboard required.

Bausch & Lomb Tessar Ic *f*:4.5



The leading characteristic of this lens is its speed, *f*:4.5, which is maintained in all sizes at no sacrifice in optical qualities. It is of the unsymmetrical type and has a remarkably wide range of application in the anastigmat class.

No.	Size of Plate Covered with Stop *f*:4.5 Inches	Size of Plate Covered with Small Stops Inches	Equivalent Focus Inches	Diameter of Lens Inches	Lens and Barrel with Iris Diaphragm	In Volute Shutter without Barrel		In Compound Shutter without Barrel	
						No.	Price	No.	Price
12	2¼x 3¼	3¼x 3½	3 5/16	¾	$32.50	1	$55.50	1	$51.50
13	2½x 3½	3¼x 3¼	4 7/16	1 1/32	36.00	1	59.00	1	55.00
14	3¼x 4¼	4 x 5	5 5/16	1¼	40.00	1	63.00	2	61.00
15	4 x 5	4¼x 6½	6 3/32	1½	45.50	2	70.50	2	66.50
15a	5 x 7	5 x 8	7 7/16	1 23/32	60.00	2	85.00	3	85.00
16	5 x 8	6¼x 8½	8 5/16	1 11/16	82.00	3	109.00	3	107.00
17	6½x 8½	8 x10	9¾	2 3/32	115.00	3	142.00	4	150.00
18	8 x10	10 x12	11¾	2 11/32	165.00			5	205.00
18a	10 x12	11 x14	14¾	3⅜	215.00				
19	11 x14	12 x16	15 11/32	3 5/16	267.50				
20	14 x17	16 x18	19 1/16	4 7/16	410.00				

Waterhouse Stops for B. & L. Process Anastigmat Lenses

These stops are accurately made of brass, with either square or round openings, marked and blackened so as to prevent reflections.

Each set of stops is supplied in a leather case.

Fit Lens No.	Square Opening Set of Five	Round Opening Set of Seven
0	$7.50	$6.25
0a	7.50	6.25
1	7.50	6.25
2	9.25	7.50

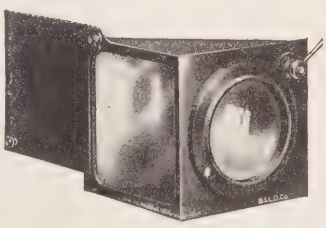
Bausch & Lomb Process Anastigmat *f*:10

While this lens was designed primarily for black and white work, its splendid registration adapts it successfully, at the smaller apertures, for three or even four color work.

Because of its exceptional corrections and freedom from "spherical zones" there is none of the stop difference in focusing. This makes it possible to open the lens wide and focus on the object, then stop down as desired for the exposure without refocusing.

No.	Covers for Same Size Reproduction Inches	Covers for Reduction Inches	Equivalent Focus Inches	Diameter of Lens Inches	Lens and Barrel with Iris Diaphragm and Set of Five Waterhouse Stops
0	11 x 14	8 x 10	13	1⅜	$131.25
0a	12 x 15	10 x 12	16	1¾	155.25
1	14 x 17	12 x 15	18	2	175.00
2	20 x 24	16 x 20	25	2⅝	280.00

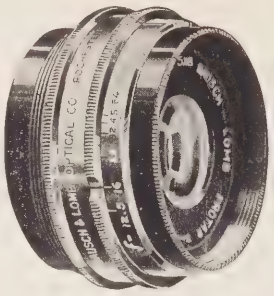
Bausch & Lomb Photo-Engraving Prism—New Model



In this engraving prism an improved type of mount permits the utilization of a wider angle, since the light rays enter a square instead of a round opening prism face. A velvet lined metal cover which serves to protect the glass surface when prism is not in use also may be used as a shutter. A revolving collar and clamp makes it possible to revolve the prism and to secure it in any position.

Aperture of Prism Inches	For B. & L. Process Anastigmat	For B. & L. Tessar IIb	Fitted to B. & L. Lenses	Fitted to Lenses of Other Make
2½	No. 0	No. 8	$ 74.00	$ 79.00
3	No. 0a	No. 9	112.00	117.00
3½	No. 1	No. 9a	136.00	141.00
4	No. 2	No. 10	190.00	196.00
4½		No. 11	300.00	310.00
5			420.00	430.00

Bausch & Lomb Protar Series VII *f*:12.5



This lens, an unsymmetrical doublet, the combinations of which consist of two cemented elements, is an anastigmat lens of moderately short focal length, yet it has speed and covering power for a comparatively large plate.

Its speed is sufficient for instantaneous exposures out-of-doors under favorable light conditions, while its large relative aperture adapts it for flash-lights of interiors and groups.

No.	Size of Plate Covered with Stop *f*:12.5 Inches	Size of Plate Covered with Small Stops Inches	Equivalent Focus Inches	Back Focus Inches	Diameter of Lens Inches	Lens and Barrel with Iris Diaphragm	In Volute Shutter without Barrel	In Compound Shutter without Barrel
1	4¾x 6½	5 x 7	7 3/16	7¾	¾	$33.00	$56.00	$52.00
2	5 x 7	6½x 8½	8¾	9¾	⅞	35.00	58.00	54.00
3	6½x 8½	10 x12	11 1/16	12¼	1 1/16	42.00	65.00	61.00
4	8 x10	11 x14	13¾	15	1 3/16	50.00	75.00	71.00
5	10 x12	12 x16	16 3/16	17½	1 11/16	68.00	93.00	93.00
6	11 x14	16 x18	18 7/8	20½	1 7/8	84.00	111.00	109.00
7	12 x16	18 x22	23¼	25¼	2	117.00	144.00	152.00
8	13 x16	22 x27	27 5/8	29 11/16	2 7/16	148.00	175.00	183.00
9	16 x18	24 x30	30¾	34	2¾	210.00		
10	16 x20	27 x35	33 7/8	37½	3¼	270.00		
11	18 x22	30 x40	39¼	43½	3¾	360.00		

Each lens in barrel is furnished in a case. Lens cap, flange and screen ring or ray filter are included. When lens is ordered in shutter, case is not furnished.

B. & L. Convertible Protar VIIa *f*:6.3—*f*:7.0—*f*:7.7

The Protar VIIa lens, a doublet, consists of two Protar VII lenses of like or unlike foci, fitted in barrel or shutter.

For example, in forming a Protar VIIa doublet, two Protar VII of equal foci are selected, the complete lens has a speed of *f*:6.3; if, however, two lenses of unequal foci are combined, the doublet will have a speed of *f*:7 or *f*:7.7, according to the relative foci selected.

Thus is offered in one and the same lens, one or two long focus length single lenses suitable for a variety of work, and also a rapid doublet adapted for most kinds of instantaneous work.

SPECIFICATIONS

No.	Size of Plate Covered with Full Aperture Inches	Size of Plate Covered with Small Stops Inches	Combinations of Single Protars Focus Inches		Combined Equivalent Focus Inches
			Front Lens	Back Lens	
1	3¼x 3¼	3¼x 4¼	7 3/16	7 3/16	4 1/8
2	3¼x 4¼	4 x 5	8¾	7 3/16	4½
3	4 x 5	4¾x 6½	11 3/16	7 3/16	5
4	4 x 5	4¾x 6½	8¾	8¾	5 1/16
5	4¼x 6½	5 x 7	11 3/16	8¾	5⅜
6	4¼x 6½	5 x 7	13¾	8¾	6 1/8
7	4½x 7¼	5 x 8	11 3/16	11 3/16	6⅜
8	5 x 7	6½x 8½	13¾	11 3/16	7
9	5 x 8	6½x 8½	16 3/16	11 3/16	7½
10	5 x 8	7 x 9	13¾	13¾	7⅞
11	6½x 8½	8 x10	16 3/16	13¾	8½
12	6½x 8½	8 x10	18⅞	13¾	9 1/8
13	6½x 8½	8 x10	16 3/16	16 3/16	9¼
14	7 x 9	10 x12	18⅞	16 3/16	10
15	7 x 9	10 x12	23¼	16 3/16	10⅞
16	7 x 9	10 x12	18⅞	18⅞	10 13/16
17	8 x10	11 x14	23¼	18⅞	11⅞
18	8 x10	11 x14	27 1/8	18⅞	12¾
19	8 x10	12 x16	23¼	23¼	13¼
20	10 x12	14 x17	27 1/8	23¼	14 5/16
22	10 x12	16 x18	27 1/8	27 1/8	15½
25	10 x12	17 x20	30¾	30¾	18¼
28	11 x14	18 x22	33⅞	33⅞	20¼
30	12 x16	22 x27	39¼	39¼	23⅜

PRICES

No.	Speed *f*	Lens and Barrel with Iris Diaphragm	In Volute Shutter without Barrel		In Compound Shutter without Barrel	
			No.	Price	No.	Price
1	6.3	$ 57.50	1	$ 80.50	1	$ 76.50
2	7.0	60.00	1	83.00	1	79.00
3	7.7	66.00	1	89.00	1	85.00
4	6.3	62.00	1	85.00	1	81.00
5	7.0	68.00	1	91.00	1	87.00
6	7.7	78.00	2	103.00	2	99.00
7	6.3	74.00	1	97.00	2	95.00
8	7.0	82.00	2	107.00	2	103.00
9	7.7	100.00	2	125.00	3	125.00
10	6.3	91.50	2	116.50	2	112.50
11	7.0	108.50	2	133.50	3	133.50
12	7.7	125.00	3	152.00	3	150.00
13	6.3	123.00	2	148.00	3	148.00
14	7.0	140.00	3	167.00	3	165.00
15	7.7	172.50	3	199.50	4	207.50
16	6.3	156.00	3	183.00	3	181.00
17	7.0	188.50	3	215.50	4	223.50
18	7.7	220.00	3	247.00	4	255.00
19	6.3	220.00	3	247.00	4	255.00
20	7.0	250.00	3	277.00	4	285.00
22	6.3	278.00	3	305.00	4	313.00
25	6.3	385.00				
28	6.3	495.00				
30	6.3	670.00				

For matching lenses for stereoscopic work, add $4.00 to the price of the lenses.
Each lens in barrel is furnished in a case, which protects it from injury. Lens cap, flange and screen ring for ray filter are included. When lens is ordered in shutter, case is not furnished.
The diaphragm scale is graduated for each focal length.

B. & L. Convertible Protar VIIa Sets

To illustrate the uses to which these lenses may be put, let us consider the No. 8 Protar VIIa doublet. This lens is listed to cover a 5x7 plate, having an equivalent focal length of 7 inches and a speed of *f*:7. It is composed of two Protar VII lenses, the front combination being a No. 4 of 13¾-inch E. F., listed for 8x10, the rear combination being a No. 3 of 11 3/16-inch E. F., listed for 6½x8½. Each lens has a speed of *f*:12.5. We have three anastigmat lenses in one—two single anastigmats and a doublet. Now let us add to this a No. 2 Protar VII of 8¾-inch E. F., listed for a 5x7, and thus form a "C" set of Protars, consisting of three single Protar VII and three doublet Protar VIIa lenses, offering six different focal length lenses as follows:

Front Protar VII Inches	Rear Protar VII Inches	Doublet Protar VIIa Inches	Speed	Size of Plate Cover Inches
	No. 2— 8¾ E.F.		*f*:12.5	5 x 7
	No. 3—11 3/16 E.F.		*f*:12.5	6½x 8½
	No. 4—13¾ E.F.		*f*:12.5	8 x10
No. 3—11 3/16 E.F.	No. 2— 8¾ E.F.	No. 5—5⅝ E.F.	*f*: 7.0	4¼x 6½
No. 4—13¾ E.F.	No. 2— 8¾ E.F.	No. 6—6⅛ E.F.	*f*: 7.7	4¼x 6½
No. 4—13¾ E.F.	No. 3—11 3/16 E.F.	No. 8—7 E.F.	*f*: 7.0	5 x 7

The cost of this set is $110.00. If we desire a faster lens, we need only add another single Protar VII of like focal length, which will then form a symmetrical doublet having a speed of *f*:6.3.

Turner-Reich Convertible Anastigmat *f*:6.8

The Convertible Anastigmat *f*:6.8 is formed with two single combinations each comprising five single lenses cemented together to form a solid lens with no internal reflecting surfaces to cause flare or require cleaning. This construction insures great brilliancy of image. The complete lens has a large circle of illumination and will cover a plate about two sizes larger than rated.

No.	Size Inches	Equivalent Focus Inches	Focus Front Comb. Inches	Focus Back Comb. Inches	Price in Optimo Shutter	Price in Acme Shutter	Compound Shutter
0	3¼x 4¼	5	12	8	$ 60.00	$ 63.00	$ 63.00
1	4 x 5	6¼	14	11	70.00	71.00	72.00
2	5 x 7	7½	18	12	77.00	80.00	81.00
3	5 x 8	8½	20	14	88.00	90.50	89.00
4	6½x 8½	10½	24	18	113.00	115.50	118.00
5	8 x10	12	28	21	134.50	137.00	137.00
*6	11 x14	15	36	24	177.50	180.00	190.00

*Working aperture *f*:7.5.

C Set—Convertible Protar VIIa

In Barrel without Case . . . . $110.00 Case extra $5.00
In No. 2 Volute Shutter without Barrel and Case . . . . . 135.00 Case extra 8.00
In No. 2 Compound Shutter without Barrel and Case . . . . . 131.00 Case extra 8.00

Series	No.	Size of Plate Covered with Largest Stops* Inches	Equivalent Focus of Lenses in Inches			Speed
			Front Lens	Back Lens	Comb. Focus	
VII	2	5 x 7	....	8¾	....	*f*:12.5
	3	6½x 8½	....	11 3/16	....	*f*:12.5
	4	8 x10	....	13¾	....	*f*:12.5
VIIa	5	4¼x 6½	11 3/16	8¾	5⅝	*f*:7.0
	6	4¼x 6½	13¾	8¾	6⅛	*f*:7.7
	8	5 x 7	13¾	11 3/16	7	*f*:7.0

*Larger plates covered with smaller stops.

D Set—Convertible Protar VIIa

In Barrel without Case . . . . $215.00 Case extra $6.00
In No. 3 Volute Shutter without Barrel and Case . . . . . 242.00 Case extra 9.00
In No. 3 Compound Shutter without Barrel and Case . . . . . 240.00 Case extra 9.00

Series	No.	Size of Plate Covered with Largest Stops* Inches	Equivalent Focus of Lenses in Inches			Speed
			Front Lens	Back Lens	Comb. Focus	
VII	3	6½x 8½	....	11 3/16	....	*f*:12.5
	4	8 x10	....	13¾	....	*f*:12.5
	5	10 x12	....	16 3/16	....	*f*:12.5
	6	11 x14	....	18⅞	....	*f*:12.5
VIIa	8	5 x 7	13¾	11 3/16	7	*f*:7.0
	9	5 x 8	16 1/16	11 3/16	7½	*f*:7.7
	9a	5 x 8	18⅞	11 3/16	8	*f*:7.7
	11	6½x 8½	16 1/16	13¾	8½	*f*:7.0
	12	6½x 8½	18⅞	13¾	9⅛	*f*:7.7
	14	7 x 9	18⅞	16 3/16	10	*f*:7.0

*Larger plates covered with smaller stops.

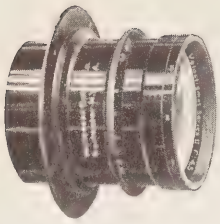
Wollensak Extreme Wide Angle

Series IIIa *f*:12.5

The Series IIIa has an angle of view of 90 degrees and gives good definition at full aperture; wiry sharpness available when the diaphragm is stopped down (which is essential for depth of focus). Because of its large circle of illumination this lens can be used on a plate a size larger than listed by stopping down the diaphragm which then affords an angle of approximately 100 degrees.

No.	Size Inches	Larger Plates Smaller Stops	Equivalent Focus Inches	In Barrel	In Betax Shutter
3	5 x 7	6½x 8½	4 5/16	$23.50	$27.50
4	6½x 8½	8 x10	5¾	30.00	36.00
5	8 x10	10 x12	6¼	33.50	39.50
6	10 x12	11 x14	7⅞	42.00	48.00
7	11 x14	14 x17	9	52.50	58.50
8	14 x17	17 x20	11	65.00	74.00
9	17 x20	20 x24	13	80.00	89.00

Wollensak Velostigmat Series II *f*:4.5



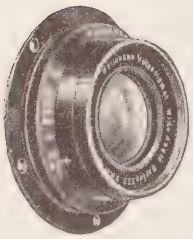
The Series II is versatile, and its usefulness is not confined to portrait work alone. It is admirable for copying and enlarging, and suitable for commercial and view work when slightly stopped down.

Its perfectly flat field helps in photographing standing figures and groups. Home portrait photographers like its compact construction.

SPECIFICATIONS

No.	Size	Equivalent Focus Inches	In Barrel	In Studio	In Betax	In Optimo
0	2¼x 3¼	3½	$ 34.00		$ 36.00	
1	3¼x 4¼	5	37.50		41.50	$ 46.50
2	4 x 5	6	42.00		49.00	51.00
3	5 x 7	7¼	52.50		58.50	63.50
3A	5 x 8	8¼	67.50		76.50	81.00
4	6½x 8½	9½	105.00		111.00	115.50
5	8 x10	12	140.00	$146.50	149.00	
6	10 x12	14	185.00	190.00		
7	11 x14	16	240.00	245.00		
8	14 x17	19½	365.00	366.00		

Wollensak Velostigmat Series III *f*:9.5



With a wide angle lens of this type it is possible to obtain satisfactory photos of buildings in narrow streets, interiors, banquet groups, and all work in confined space with virtually no distortion.

Being a corrected anastigmat it gives excellent definition over the entire plate for which it is listed, covering an angle of 90 degrees. Stopping down is only necessary to increase depth of focus.

SPECIFICATIONS

No.	Plate Covered at *f*:9.5	Equivalent Focus Inches	In Barrel	In Betax Shutter
3	5 x 7	4.3	$ 43.50	$ 47.50
4	6½x 8½	5.4	50.00	54.00
5	8 x10	6.25	65.00	71.00
7	11 x14	9	100.00	106.00

Wollensak Lens Caps

Inside Diam., In.	Price	Inside Diam., In.	Price
1 and under	$ .75	4 and under	$1.50
2 and under	1.00	5 and under	1.75
3 and under	1.25	Over 5	2.00

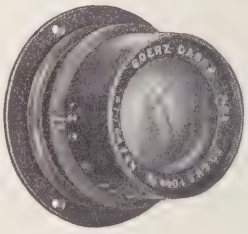
Wollensak Voltas *f*:8

The Voltas is an inexpensive all-round lens, particularly adapted to landscape, view and commercial work. While fair detail is rendered at full opening, the Voltas must be stopped down in order to insure sharp definition to the extreme corners of the plate. The Voltas is convertible, the single elements may be used alone with smaller stops.

SPECIFICATIONS

No.	Size	Equivalent Focus Inches	In Barrel	In Betax Shutter
1	3¼x 4¼	5	$11.00	$13.00
2	4 x 5	6½	11.50	15.50
3	5 x 7	8	13.00	17.00
4	6½x 8½	10½	19.00	25.00
5	8 x10	12½	26.00	35.00
6	10 x12	16	44.00	50.00
7	11 x14	18½	48.00	57.00

Goerz Dagor Anastigmat



The definition produced by this lens is extremely sharp up to the corners of the listed plate.

Its ability to produce straight lines and the fact that the lens at its smaller stops will include an image circle of almost 90 degrees, makes it a suitable lens for architectural and commercial photography, for copying and enlarging.

It is fast enough to take sport pictures and fast moving objects under favorable light conditions with focal-plane shutter cameras. The single element at a speed of *f*:13 may be used alone, furnishing a focal length about 1¾ times that of the doublet.

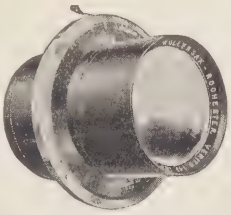
DAGOR *f*:6.8 AND *f*:7.7

SPECIFICATIONS

Number	Equivalent Focus Inches	Size of Plate Sharply Covered at: Full Opening Inches	Size of Plate Sharply Covered at: *f*:32 Inches	In Barrel with Iris Diaphragm	With Compound Shutter	With Acme Shutter
	f:6.8					
000a	3	2¼x 2¼	3¼x 4¼	$ 31.50	$ 45.00	$ 49.50
00	3½	3 x 3	4 x 5	31.50	45.00	49.50
00a	4	3 x 4	4½x 5½	33.00	46.50	51.00
0a	5	3¼x 4¼	5 x 8	36.00	49.50	54.00
1	6	4 x 5	6½x 8½	42.00	57.00	60.50
1a	6½	3¼x 5½	6½x 8½	45.00	60.00	63.50
2	7	5 x 7	8 x10	54.00	69.00	74.00
3	8¼	5 x 8	10 x12	66.00	84.00	86.00
4	9½	6¼x 8½	11 x14	78.00	96.00	100.50
5	10¾	7 x 9	12 x16	90.00	111.00	115.00
6	12	8 x10	16 x18	107.00	128.00	132.00
	f:7.7					
7	14	10 x12	18 x22	138.00	168.00	163.00
7a	16½	11 x14	20 x24	183.00	213.00	.....
8	19	12 x15	22 x25	210.00	249.00	.....

Wollensak Verito

Diffused Focus *f*:4



With the Verito any degree of softness or sharpness may be obtained simply by changing the diaphragm. Definition is subdued so that retouching is practically eliminated. The long-focus rear element may be used alone. In enlarging, too, it gives beautiful results.

No.	Size Inches	Equiv. Focus Inches	Rear Focus Inches	In Barrel	In Studio	In Betax
*A	3¼x 4¼	5	10	$22.50		$24.50
*B	4 x 5	6½	14	25.00		29.00
1	3¼x 4¼	6½	10	28.50		34.50
2	4 x 5	7¼	11	32.50		41.50
3	5 x 7	8¾	14	42.50		53.00
4	6½x 8½	11½	20	60.00	$65.00	
5	8 x10	14½	24	85.00	90.00	
7	11 x14	18	30	110.00	111.00	

*Sizes A and B speed *f*:6, all others *f*:4.

Verito Extension Lens

to be used with 18 in. focus increasing focus to 22¼ in., $20.00. Special Speed and focal length, 3 in. or shorter, $22.50 in barrel; 5 in. or shorter $25.00 in barrel.

Taylor-Hobson Cooke Standard Flanges and Adapters

All screw threads on Taylor-Hobson Flanges and Adapters are formed within one or two-thousandths of an inch from the normal sizes; thus, they are freely interchangeable.

A Flange of this style is included with every Taylor-Hobson Cooke Anastigmat lens not mounted in a between-lens shutter.

Diam. of Screw, Inches	1¼	1½	1¾	2	2¼	2½	2¾
Full Diam. of Flange	1.8	2.1	2.4	2.7	3.0	3.3	3.6
Price	$2.00	$2.25	$2.50	$2.75	$2.75	$3.00	$3.25

Diam. of Screw, Inches	3	3½	4	4½	5	6
Full Diam. of Flange	3.9	4.6	5.55	6.0	6.5	7.85
Price	$3.50	$3.75	$4.25	$4.75	$5.25	$6.25

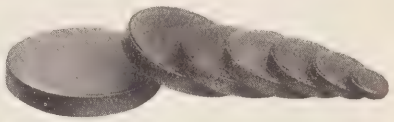
Wollensak Standard Flanges

Thread Diameter, Inches	1 1/16	1 1/8	1 3/16	1 1/4	1 5/16	2 3/16	2 5/16
Price	$0.50	$0.60	$0.65	$0.80	$1.00	$1.25	$1.35
Thread Diameter, Inches	2 5/16	3 3/16	3 5/8	4 3/16	4 5/16	5 5/16	
Price	$1.50	$1.60	$1.75	$2.00	$2.50	$3.50	

Bausch & Lomb Flanges

Diameter, Inches	1 1/16	1 1/8	1 3/16	1 1/4	1 3/4	2	2 1/4	2 1/2
Price, each	$0.85	$1.00	$1.00	$1.00	$1.15	$1.45	$1.55	$1.75
Diameter, Inches	2 3/4	3	3 1/2	4	4 1/2	5	5 1/2	6
Price, each	$1.85	$2.00	$3.00	$3.75	$4.60	$5.50	$6.35	$7.50

Taylor-Hobson Cooke Lens Caps



Covered with leather and lined with velvet these caps protect your lens from dust and dirt scratches. About 20 different sizes are available.

PRICES

Caps, 1¼ to 1⅞-inch inside diameter	$1.25
Caps, 2 to 2⅜-inch inside diameter	1.75
Caps, 2½ to 3⅜-inch inside diameter	2.50
Caps, 3½ to 4¼-inch inside diameter	3.50
Caps, 5 and 6-inch inside diameter	4.00

Bausch & Lomb Lens Caps

Diameter, Inches	1 1/16	1 1/8	1 1/16	2	2 1/16	2 3/8	2 5/8	2 7/8
Price, each	$0.60	$0.65	$0.70	$0.70	$0.75	$0.80	$0.85	$0.90
Diameter, Inches	3 1/4	3 3/8	4 1/16	4 3/8	4 5/16	4 5/8	6 1/16	
Price, each	$1.00	$1.40	$1.50	$1.60	$1.75	$2.00	$2.90	

Goerz Lens Caps

Diam. of Cell mm.	To Fit Standard Mounted Goerz Lenses	Price
22.5	Dagor 3-inch, Hypar 1⅝–2-inch	$0.50
29	Dagor 4–5-inch	.50
32.5	Dagor 6–6½-inch, Hypar 3-inch	.60
34.5	Dogmar 5-inch Special	.60
37	Dagor 7-inch, Dogmar 5-inch	.60
43	Dagor 8¼-inch, Dogmar 6-inch	.75
48.7	Dagor 9½-inch, Dogmar 6½-inch	.75
51	Dogmar 7-inch, Artar 14-inch	.75
55.3	Dagor 10¾-inch	.85
60.8	Dagor 12-inch, Dogmar 7½–8¼-inch, Artar 16½–19-inch	.85
66	Dagor 14-inch, back	.95
70	Dagor 14-inch, front, Artar 24-inch	.95
74	Dagor 16½-inch, Artar 30–35-inch, Dogmar 10¾-inch	.95
83	Dogmar 12-inch	1.10
88	Dagor 19-inch, back	1.10
92	Dagor 19-inch, front	1.25

Iris Lens Adapters

Does away with the need of more than one lens board. Instantly adjustable for different size lenses. This adapter is made of the light duraluminum metal with the inner ring and the parts subject to strain, of brass. The steel diaphragm firmly grips the lens where the flange screws on and holds the lens securely.

PRICES

No. 1, Taking Lens Barrels up to 2¼ in.	$5.50
No. 2, Taking Lens Barrels up to 3⅛ in.	6.00
No. 3, Taking Lens Barrels up to 4 in.	6.75
No. 4, Taking Lens Barrels up to 4¾ in.	8.00

Eastman Portrait Diffusion Disks

These Disks permit one to make diffused or soft focus negatives with sharp focus lenses. The Disk is placed in a holder in front of the lens, no increase in exposure being necessary. Two Disks are supplied, the A for very slight diffusion, the B for moderate diffusion. The Disks are furnished in three sizes: No. 0, 2½ inches; No. 1, 3½ inches; No. 2, 4½ inches in diameter.

Adjustable Disk Holders are made in three sizes to hold the three sizes of Disks on various sized lenses. The No. 0 Holder is adjustable to lens barrels of from 2 to 3¼ inches in diameter; the No. 1, 3 to 4½ inches and the No. 2, 4½ to 5⅝ inches.

PRICES

	No. 0	No. 1	No. 2
Eastman Portrait Diffusion Disk, A or B	$5.00	$6.00	$7.50
Eastman Adjustable Diffusion Disk Holder	3.00	4.00	5.00

Kodak Pictorial Diffusion Disks

Softness of line adds charm to almost any picture. The Kodak Pictorial Diffusion Disk, slipped over the lens, gives a delightful glow without the obscurity that is found in an out-of-focus image.

Now obtainable for use on four Kodak Anastigmats *f*.4.5. These disks bear the numerical designations of the lenses that they fit. Please order by number.

	No. 31	No. 32	No. 33	No. 34
Inside diam. of flange	1 9/16″	1¾″	2″	2⅜″
Prices	$5.00	$5.00	$5.00	$6.00

Graphic Sight Finders

A direct-vision, folding sight finder, to be attached to the top of the camera. The subject is centered on the image area when the intersection of the lines engraved on the finder lens is in direct aim with the notch in the top of the vertical sight bar.

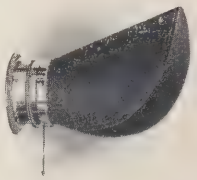
For	3¼x4¼	3¼x5½	4x5	5x7
Price	$4.00	$4.50	$4.50	$5.25

Direct View Finders

For 3¼x4¼, 4x5, 9x12 cm.	$1.50
For 5x7, 6½x8½	1.75
For 6½x8½, 8x10	2.50

Eastman Adjustable Lens Hoods

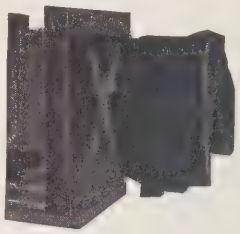
By means of a spring clasp and cord this efficient light shield may be easily attached to the lens barrel. It is covered with a fine grade of fabricated leather.



No. 0, for Lens Barrels from 2½ to 3½ in. in diam.	$4.00
No. 1, for Lens Barrels from 3½ to 4½ in. in diam.	5.00
No. 2, for Lens Barrels from 4½ to 6 in. in diam.	6.00

Cornell Lens Hood

For Portrait Cameras

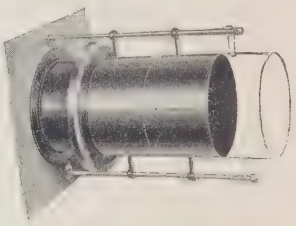


It keeps all stray light from the lens assuring clear bright negatives. Closes out of the way when a change of lenses or diaphragms is to be made. It can be set sidewise when working toward a strong sidelight.

Cornell Lens Hood $6.00

Halldorson Lens Shades

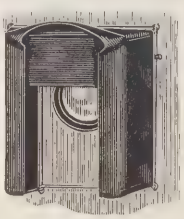
The Halldorson Shade protects the lens on all sides. It slides freely on two rod supports erected upon the lens board. The shade will not sag.



No.	For Lenses	Lens Board	Price
3a	Up to 2¾″	5 inches	$5.50
4a	From 3 to 3¾″	6 inches	7.50
5a	From 4 to 4¾″	7 inches	8.50
6a	From 5 to 6″	9 inches	10.00

Shinn Lens Hood

For View and Home Portrait Cameras



This lens hood eliminates reflection from the top and side portions of a lens. The top and side curtains are adjustable—this feature is particularly valuable when working with artificial lights.

Shinn Lens Hood. $7.00

Wratten Filters

By means of these filters, the technical or commercial photographer may reproduce colors in monochrome in any desired relative value.

Wratten Filters are supplied in three forms: 1st—Gelatine Film; 2nd—"B" glass cemented filters in which form good optical glass is used, and 3rd—"A" glass cemented filters, commonly called "Flats," the glass used being hand surfaced, optically flat glass of the highest quality. Unless otherwise specified, filters for photographic use are cemented in "B" glass.

Wratten Orthochromatic Filters

These filters are supplied in three strengths.

Series K-1

A very light filter of good correcting power. It requires 1½ times the normal exposure upon the Panchromatic film or plate. The only filter for short exposure and hand camera work.

Series K-2

A strong filter increasing the exposure about 3 times on the Panchromatic film or plate. It is the standard correcting filter most generally used.

Series K-3

This filter affords correct color rendering upon the Panchromatic film or plate. Requires 4½ times the normal exposure and is not recommended for other films or plates. This filter is largely used for picture copying, and for other work requiring exactly truthful rendering in monochrome of varied colors.

Wratten Contrast Filters G, F, and Tri-color

These filters are very useful in commercial work and are supplied in several grades: G, F and Tri-color (A, B and C).

G is a strong yellow, valuable in photographing oak and yellow woods, buildings and real estate (or landscapes), where bright contrasts are desired.

F, a deep red, is for photographing dark mahogany, blue prints, etc.

Tri-Color: A—Orange-Red, B—Green, and C—Blue.

A is for photographing mahogany and rosewood, and similar articles.

B is for photographing typewriting, figure rugs, carpets, etc.

C is for three-color work only.

Wratten Filters

Inch	Gelatine Film	Unmounted Circles in B Glass	Unmounted Squares in B Glass	Mounted Circles in Light Metal Cell in B Glass
¾	$0.20	$1.15	$1.15	$2.40
1	.20	1.30	1.30	2.55
1 1/16	.20	....	....	2.85
1⅛	.20	....	....	2.85
1¼	.20	1.45	1.45	2.85
1 5/16	.20	....	....	3.15
1⅜	.20	1.65	....	3.15
1½	.25	1.65	1.65	3.15
1 9/16	.25	....	....	3.30
1⅝	.30	1.75	....	3.30
1 11/16	.30	....	....	3.45
1¾	.30	1.90	1.90	3.45
1⅞	.35	2.10	....	4.20
1 15/16	.35	....	....	4.20
2	.40	2.10	2.10	4.20
2⅛	.45	2.25	2.25	4.50
2¼	.55	....	2.85	6.00
2 5/16	.55	....	....	6.00
2⅜	.60	....	2.85	6.00
2½	.65	2.85	2.85	6.00
2⅝	.70	....	....	7.50
2¾	.80	....	3.75	7.50
2⅞	.85	3.75	....	7.50
3	.90	3.75	3.75	7.50
3¼	1.25	....	4.75	.....
3½	1.25	5.65	5.65	.....
4	1.60	6.75	6.75	13.50
4½	1.70	....	9.40	.....
5	1.70	....	9.40	.....

NOTE—Where no prices are quoted on Unmounted Circles or Squares in B Glass, the cost will be figured at an increase of 50 per cent over the next larger listed size. Prices of other W. & W. Filters and special sizes and colors will be quoted on request.

Wratten Tri-color Filters

Supplied in Gelatine Film, or cemented in "B" glass or "A" glass. For comparison, the prices of only one size are given. Prices of other sizes approximately in proportion. Full list on request.

Per set 3-inch square:

	3 color	4 color
Gelatine Film	$ 2.25	$ 3.00
In "B" Glass	12.50	16.25
In "A" Glass	76.50	102.00

NOTE—The prices in "B" Glass include the cost of matching but do not include the case, the price of which is $4.00.

Standard Set of Filters 3 Inches Square

Commercial set of 8—A, B, C, D, E, F, G, K1, K2, and K3.
Price per set, case included. In "A" Glass (Flats) $204.00
Price per set, case included. In "B" Glass . . . 35.00
Gelatine Film only 7.20

Wratten Experimental Film Filter Book

Contains Gelatine Film Filters 2x3 inches.

30 in book, 10 varieties each of blue, green and red $ 9.00
60 in book, all varieties 18.00

Wratten M Filters

These filters are for use in microscopy and the method of using them is described in the booklet "Photomicrography."

SET OF 9 FILTERS

Gelatine Film 2 inches square	$ 2.50
Cemented in "C" Glass 2 inches square (in leather case)	16.00
Cemented in "C" Glass 3 inches square (in leather case)	30.00
Cemented in "C" Glass 4 inches square (in leather case)	42.00
Photomicrography	.15

Wratten Visual M Filters

A set of special filters intended for visual work with the microscope. Their use is described in "Photomicrography."

SET OF 9 FILTERS

Mounted in thin glass 33 mm. disks $12.00

Scientific and Experimental Filter Sets

A special Laboratory Set of Filters, 2 inches square, cemented in "B" glass. Sets contain all of the filters required for Orthochromatic work, Contrast, Tricolor, Two-color, Artificial light, Projection, Spectroscopy, Photomicrography and general scientific purposes.

Price, 50 Filters in Mahogany Case $150.00

Smaller Sets of 24 Filters in Case

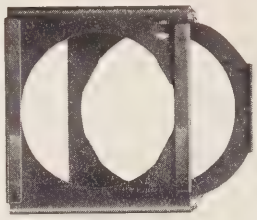
Contains the following filters, for any of which others (except special filters) can be substituted.

Name	No.	Name	No.
Aesculine	2	C	49
K2	8	L	50
K3	9	B2	58
Minus Blue	12	P	60
G	15	N	61
E2	22	α	70
A	25	β	71A
F3	29	γ	72
Minus Green	32	δ	73
D	35	ϵ	74
Minus Red 5	44A	η	75
H	45	θ	76

This set includes the Tricolor, M, Complementary, and Monochromatic set. Filters 2 inches square, cemented in "B" glass.

Price, set of 24 . . . . . $55.00

Eastman Adjustable Filter Holder



For use with the 2, 3 and 4-inch square Wratten Filters. By means of an automatic adjusting ring, the 4-inch filters may be securely attached to any lens barrel from $2\frac{3}{8}$ to $3\frac{7}{8}$ inches in diameter, the 3-inch filters to any lens barrel from $1\frac{11}{16}$ inches to $2\frac{3}{8}$ inches in diameter, and the 2-inch filters to lens barrels from $1\frac{1}{8}$-inches to $1\frac{9}{16}$ inches in diameter.

2 inches square	$1.25
3 inches square	1.50
4 inches square	2.50

Eastman Filter Test Chart

Contains 12 small viewing filters, mounted in cardboard, for examining the subject to determine what filter should be used $0.75

Bausch & Lomb Focusing Glasses

No. 4540 consists of a 38 mm. triple aplanatic magnifier, mounted in a tube with screw adjustment for focusing and with a clamping ring. Its optical construction is such as to embrace a wide angle and give sharp definition.

No. 4545 is a doublet lens, consisting of two plano-convex lenses. The combination gives an equivalent focus of 38 mm. It is mounted with screw adjustment for focusing.

No. 4540, Achromatic Focusing Glass	$7.50
No. 4545, Doublet Focusing Glass	4.00

Adjustable Focusing Glass

With screw adjustment	2.00

Express Focusing Glass

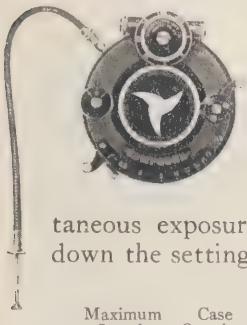
With suction cup	2.00

Japanese Lens Paper

A reliable cleaning tissue supplied in book form.

Price per book . . . . . $ .10

Bausch & Lomb Compound Shutters

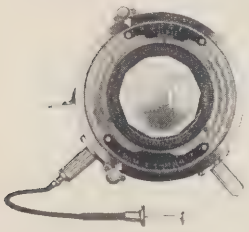


A popular inter-lens shutter combining high speed with the greatest possible compactness. Bulb and time exposures are made without setting the shutter. For instantaneous exposures it is necessary to push down the setting lever.

No.	Maximum Speed Seconds	Case Opening Inches	Iris Diaphragm Opening Inches	Flange Diameter Inside Inches	Flange Diameter Outside Inches	Shutter Only
0	1/250	1 1/16	7/8	1 5/16	1 15/16	$18.00
1	1/200	1 3/16	1 1/16	1 5/16	1 15/16	19.00
2	1/150	1 9/16	1 3/16	1 11/16	2 7/16	21.00
3	1/100	2 3/16	1 5/8	2 5/16	3 5/16	25.00
4	1/75	2 5/8	2 1/16	2 15/16	4	35.00
5	1/50	3 1/4	2 9/16	3 1/2	4 3/4	40.00

Extra charge for fitting.

Bausch & Lomb Volute Shutters



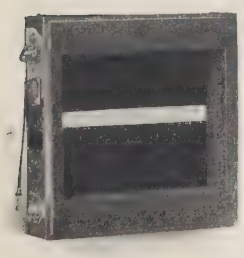
This shutter, opening and closing at the diaphragm point of the lens, gives maximum illumination, uniform exposure, increase in depth of focus, covering power and improved definition.

The diaphragm and shutter blades are identical.

No.	Range of Exposure 1 sec. to	Case Opening Inches	Iris Diaphragm Opening Inches	Flange Diameter Inside Inches	Flange Diameter Outside Inches	Shutter Only
1	1/150 sec.	1 3/16	1	1 5/16	2	$23.00
2	1/100 sec.	1 7/8	1 1/16	2 3/16	3	25.00
3	1/75 sec.	2 9/16	2	3	3 1/16	27.00

Extra charge for fitting.

Graflex Focal Plane Shutters



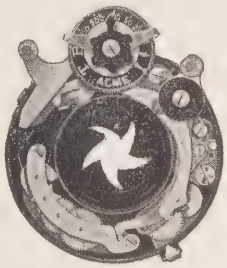
Shutter speeds range from 1/1000 part of a second to time exposures of any duration. This shutter can be attached to Eastman View Cameras without alteration; there will be an extra charge for fitting to other cameras.

	Dimensions	Weight	
5x 7	8 1/4x 8 1/4x2	22 oz.	$35.00
8x10	11 3/8x11 3/8x2 1/8	32 oz.	41.00

Ilex Shutters

The Ilex-Acme is of the set type with speeds from one second to 1/300th second and time or bulb exposures as required.

The Ilex-Universal is automatic in action and has speeds ranging from one second to 1/300th of a second and time or bulb exposures.

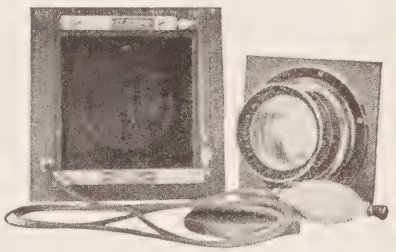


ACME

UNIVERSAL

No.	Light Aperture Inches	Lens Opening Inches	Outside Diameter Inches	Acme	Universal
00	11/16	7/8	1 7/8	$18.00	.....
0	3/4	1 1/16	2 1/16	18.00	$14.50
1	1	1 3/16	2 1/4	18.50	15.00
2	1 3/32	1 7/16	2 5/8	20.00	16.00
3	1 3/8	1 3/4	3	22.50	18.00
4	1 3/4	2 5/16	3 5/8	25.00	20.00
5	2 1/2	3	5	.....	30.00

Ilexpo Shutters



A behind-the-lens shutter so constructed that it can be used with a varied number of lenses.

Bulb and tube are furnished with Ilexpo Shutters. Each lens is fitted to an individual insert board which is supplied at $1.50.

No.	Light Aperture Inches	Lens Opening Inches	Outside Dimensions Inches	Price
1	4 1/8	4 1/2	9x 9	$20.00
2	4 1/8	4 1/2	10x10	22.00

Angelus Lens Board Coupler

It permits you to change the front board without disturbing the shutter or tubing.

Two flanges fit snugly on each side of the front board, making the coupler absolutely lightproof.

Price 50c

Packard Shutters

Packard No. 5

This shutter designed for time exposures works quickly and smoothly without noise or vibration. It is especially suitable for small front boards.

Packard No. 6

The No. 6 may be changed from time to instantaneous by pushing in a small pin which goes through the front board into the shutter from the outside. The shutter requires no setting as it works automatically, setting itself after each instantaneous exposure. The price includes a rubber bulb of good quality and 3 feet of hose.

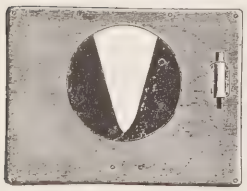
Sizes and Prices of Nos. 5 and 6

Diameter Opening Inches	Outside Dimensions In. Square	No.	No. 6
1½	3¼	$6.50	$8.00
1¾	3½	6.50	8.00
2	4	6.50	8.50
2¼	4½	7.00	8.50
2½	4¾	7.75	8.50
2¾	5	7.75	9.00
3	5¾	7.75	9.00
3¼	6	7.75	9.00
3½	6½	7.75	9.00
3¾	7	7.75	9.75
4	7½	8.25	9.75
4½	8	8.75	11.00
5	8½	9.25	12.00

The following sizes made to order:

Diameter Opening Inches	Outside Dimensions In. Square	No. 5	No. 6
5½	9½	$12.00	$14.50
6	10¼	13.00	15.50
6½	11	14.00	16.50
7	11¾	15.00	17.50
8	13¼	16.00	18.50

No. 7 Enlarging Shutter

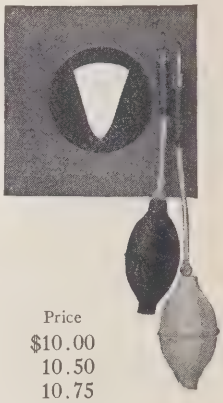


The No. 7 shutter, for enlarging and copying, is fitted with ruby non-actinic wings. It is absolutely safe and may be used on front of lens. Operates with or without bulb.

Size, In.	Price	Size, In.	Price
2	$6.00	3¼	$7.25
2¼	6.25	3½	7.50
2½	6.50	3¾	7.75
2¾	6.75	4	8.00
3	7.00	4½	8.50

Packard Shutters

Packard No. 8



Immediate action for either time or instantaneous exposures is possible with this two pump shutter. The bulbs are of different color; Red for Time exposures; White for Instantaneous exposures.

Diam. Opening Inches	Outside Dimensions	Price
2½	4¾	$10.00
2¾	5	10.50
3	5¾	10.75
3¼	6	10.75
3½	6½	11.00
3¾	7	11.50
4	7½	12.00
4½	8	12.50
5	8½	13.00

Packard-Ideal Automatic Shutter Back

This is an adjustable arrangement for fastening shutter to front of lens. It has an adjustment of ½ inch and will fit lens ⅜ of an inch larger in diameter than size of opening in shutter. If specially ordered it is furnished on either the No. 5 or No. 6 shutter. Price $2.00

Wollensak Studio Shutters

Between-the-lens type of shutter that is practically noiseless. It has a bulb exposure only. A convenient lever at the top is used to open for focusing.

Exposures longer than one-fifth second may be had by maintaining pressure on the release.

No.	Light Opening Inches	Lens Opening Inches	Price
1	$2\frac{1}{16}$	$2\frac{13}{32}$	$15.00
2	$2\frac{7}{16}$	$2\frac{15}{16}$	17.50
3	$2\frac{15}{16}$	$3\frac{13}{32}$	20.00
4	3½	$3\frac{29}{32}$	22.50
5	$4\frac{1}{8}$	4½	25.00

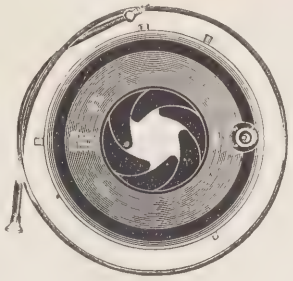
Wollensak Betax Shutters

An outstanding feature in this shutter is the gearless, pumpless retarding mechanism which is simple and positive in action. Metal diaphragm leaves and shutter blades make this shutter ideal for enlarging where heat is intense.

The Betax shutter is automatic in operation and can be released either with the cable release, or bulb and hose (with the aid of a bulb attachment).

No.	Light Opening Inches	Lens Opening Inches	Price
0	$\frac{9}{16}$	$\frac{17}{32}$	$10.00
1	$\frac{3}{4}$	$1\frac{1}{16}$	10.00
2	1	$1\frac{7}{32}$	12.00
3	$1\frac{3}{8}$	$1\frac{25}{32}$	15.00
4	$1\frac{3}{4}$	$2\frac{3}{8}$	18.00
5	$2\frac{1}{4}$	$2\frac{29}{32}$	22.50

"Luc" Before-the-Lens Shutters



The mechanical construction of this "before-the-lens" shutter is simple and entirely dependable. Because of its compactness it is ideal for outdoor photography. Prices include Cable Release.

No.	Fits Lens Hood Diameter, Inches	Diaphragm Opening Diameter, Inches	Price
1	$1\frac{5}{8}$	$1\frac{3}{8}$	$ 6.00
2	$1\frac{3}{4}$	$1\frac{1}{2}$	6.50
3	2	$1\frac{3}{4}$	7.00
4	$2\frac{3}{16}$	$1\frac{7}{8}$	7.25
5	$2\frac{9}{16}$	$2\frac{1}{8}$	7.50
6	$3\frac{1}{8}$	$2\frac{7}{16}$	8.00
7	$3\frac{9}{16}$	$2\frac{7}{8}$	8.50
8	$3\frac{15}{16}$	$3\frac{3}{16}$	9.00
9	$4\frac{5}{16}$	$3\frac{7}{16}$	9.50
10	$5\frac{1}{8}$	$4\frac{1}{8}$	10.50
11	$5\frac{1}{2}$	$4\frac{5}{8}$	14.50

Improved Silent Studio Shutter

Operated by a large brass pump it is silent in action. An open bulb is used; the eccentric spring lever holds the shutter open for focusing. Being noiseless it is ideal for use when photographing children.

(*Price, Including Bulb and 5 feet of Tubing*)

Opening	Board	Each
2 -inch	4 x4¾ inches, single wing	$ 6.00
2½-inch	4½x5¼ inches, single wing	6.00
3 -inch	5¼x6¼ inches, double wing	6.50
3½-inch	5¾x6¾ inches, double wing	7.00
4 -inch	6¼x7 inches, double wing	7.50
4½-inch	6¾x7¾ inches, double wing	8.00
5 -inch	7¼x8¼ inches, double wing	9.00
5½-inch	7¾x8¾ inches, double wing	10.00
6 -inch	8¼x9¼ inches, double wing	11.00

Single disc and bracket, for old shutters	$0.35
Double disc and bracket, for old shutters	0.55

Cable Releases

For B. & L. Compound Shutters:
12-inch, $.50; 36-inch, $2.00.
For B. & L. Volute Shutters:
6 or 12-inch, $.50; 36-inch, $2.00.
For Ilex Shutters:
6 to 8 inches, $.50; 12-inch, $.75; 36-inch, $2.00.
For Wollensak Shutters:
12-inch or less, $.60; 20-inch, $1.25; 36-inch, $2.50.

Eastman Bulbs and Tubing

Made of best quality, pure rubber, and supplied in several sizes and lengths. No. 1 is for small folding cameras, No. 2 for larger folding cameras, No. 3 Special for Special Kodaks and for Premos, and No. 4 for long focus cameras. Nos. 5 and 6 are for strictly professional cameras. Nos. 1 to 5 include a bulb and tubing as listed below. Bulbs No. 5 and No. 6 and red, white and black tubing are also sold separately.

PRICES

No. 1 Black Bulb and 6 inches of Black Tubing	$0.20
No. 2 Black Bulb and 6 inches of Black Tubing	.25
No. 3 Black Bulb and 12 inches of Black Tubing	.35
No. 4 Red Bulb and 18 inches of Red Tubing	.40
No. 5 Large White Bulb and 36 inches of Tubing	.50
Bulb only (white): No. 5	.35
Bulb only (red): No. 6 (Professional)	.75
Tubing only, per foot: Regular size: Red or Black	.11
Tubing only, per foot: Regular size: White	.10
Tubing only, per foot: ½-inch White	.35

Majestic Tubing

Quality tubing furnished in red or white.

Red, per foot	$0.06
White, per foot	.05

Metallic Bulbs

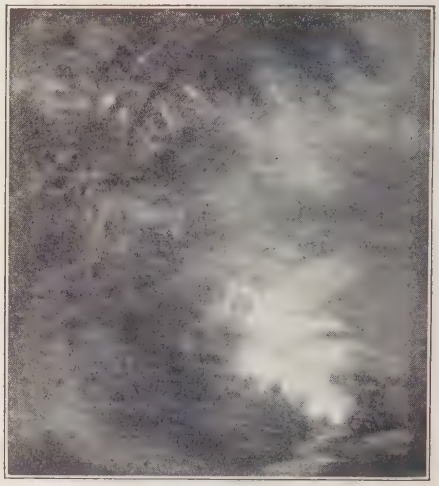
Preferred by many to the ordinary rubber bulb. Can be used on Packard or Silent Shutters. . . . . Each $1.00

Scenic Grounds

Four scenic grounds, painted on muslin, are here illustrated. They are offered in a variety of sizes and photographers will find them just right for general use. The No. 2397 is suitable for use when making portraits of children.

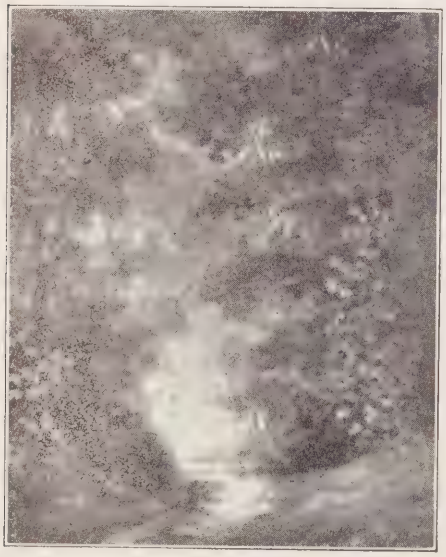
No. 2366

6x 8	$16.80
8x 8	22.40
8x10	28.00
Other Sizes to Order, per sq. ft.	.35



No. 2386

6x 8	$14.40
8x 8	16.96
8x10	21.20
Larger than 6x8, per sq. ft.	.26½



No. 2387

5x 6	$10.50
6x 8	16.80
8x 8	19.20
8x10	24.00
Larger than 6x8, per sq. ft.	.30
Smaller than 6x8, per sq. ft.	.35

No. 2397

5x 6	$10.50
6x 8	16.80
8x 8	19.20
8x10	24.00
Larger than 6x8, per sq. ft.	.30
Smaller than 6x8, per sq. ft.	.35

Oil Extension Floor Cloth, per sq. ft. $0.12½
In ordering specify "*as illustration*" or "*reverse of illustration.*"

Figure Grounds

For full length or three-quarter figure posing these grounds will be exactly right. Furnished in appropriate sizes and with just enough detail they will be found very useful in the studio.

No. 51

No. 52

No. 53

No. 55

PRICES

5x6	$7.50
6x8	9.60
Larger than 6x8, sq. ft.	.25
Oil Extension Floor Cloth, sq. ft.	.12½

In ordering specify "*as illustration*" or "*reverse of illustration.*"

Group Grounds

Three well designed group grounds with plenty of detail carefully worked in. They are painted on muslin and so designed that portions of each may be used for single sittings when desired.

DULCIS

Dulcis

6x8	$19.20
8x8	25.60
8x10	32.00
Other Sizes to Order, per sq. ft.	.40

No. 2357

No. 2357

8x10	$32.00
9x12	43.20
Other Sizes to Order, per sq. ft.	.40

No. 2393

No. 2393

8x10	$32.00
9x12	43.20
Other Sizes to Order, per sq. ft.	.40

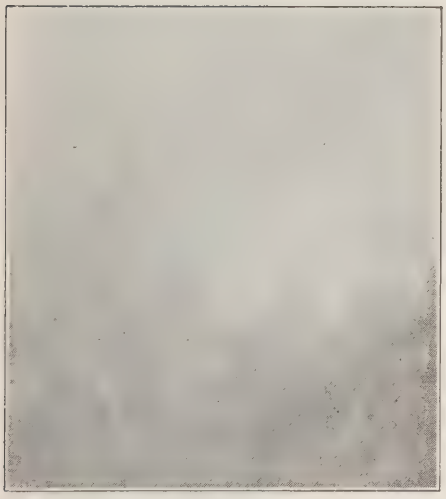
Oil Extension Floor Cloth, per sq. ft. $0.12½
In ordering specify "*as illustration*" or "*reverse of illustration.*"

Head Grounds

Photographers will find the four head grounds illustrated below just right for studio use. They are carefully worked up with just enough detail to make them properly suitable.

No. 2430

No. 2432



No. 2433

No. 2435

PRICES

5x6	$6.00
6x8	9.60
Larger than 6x8, per sq. ft.	.16½
Smaller than 6x8, per sq. ft.	.20

In ordering specify "*as illustration*" or "*reverse of illustration.*"

Rosch Print-In Grounds

These print-in grounds are time savers and money makers. They enable you to make your negatives on plain grounds and print in the background when making the print. They can also be used for printing proofs.

PRINT WITHOUT GROUND

WITH GROUND NO. 2

GROUND NO. 1

GROUND NO. 3

Two sizes of grounds are available; the Style A is furnished in a variety of six styles; the Style B can be obtained in twelve different styles. Considering the time-saving value of these grounds alone, they are worth many times their cost.

PRICES

Size A—6 styles for use on 4x6, 5x7, or 5x8 pictures. Price each, $2.50.
Size B—12 styles for use on 6½x8½ and 8x10 pictures. Price each, $3.00.
Assortment of 6—15% discount.
Assortment of 12—20% discount.

Infallible Tinting Masks

Infallible Tinting Masks are designed particularly for the portrait photographer. More than 20 styles and 15 sizes are regularly listed—oval, square, arch and various novelty shapes. Other sizes may be obtained on special order. Each design is capable of numerous changes.

The masks can be used on regular printing machines, such as the Eastman Professional Printer, and they add great selling value to your portraits and enlargements.

A special descriptive circular, fully illustrated, will be mailed on request.

Kodaloid Printing Masks

Non-actinic, yet fully transparent, these flexible masks allow the printer to see exactly what he is doing. Supplied, as ordered, with or without perforated trimming guide for locating prints with narrow white margins. Please order by number.

PRICE each, with or without trimming guide:*

No.	Outside Dimensions	Size of Opening	For Negatives	Price
1	4x5	1½x2⅜	1⅝x2½ Films	$0.10
3	4x5	2 1/16x3 1/16	2¼x3¼ Films	.10
4	4x5	2⅜x4 1/16	2½x4¼ Films	.10
6	4x5	2 11/16x3 11/16	3¼x4¼ Films	.10
7	4x5	3 1/16x4 1/16	3¼x4¼ Plates	.10
8C	5x7	2⅜x4¾	2⅞x4⅞ Films	.15
8	5x7	3⅛x5⅜	3¼x5½ Films	.15
9	5x7	3 11/16x4 11/16	4x5 Films or Plates	.15
11	5x7	2⅞x5⅛	3¼x5½ Film Packs	.15
12	5x7	3½x4½	4x5 Film Packs	.15
13	6½x8½	4½x6½	5x7 Film Packs	.25

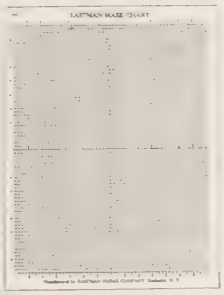
*In ordering please specify which style is wanted.

Kodaloid

Kodaloid is a thin, flexible substance similar to film base, without the sensitive emulsion, and is provided in different thicknesses to meet various requirements.

Kodaloid, per square foot: No.	Approximate thickness	Price
1—Transparent, Thin	.002	$0.25
2—Transparent, Medium	.003¼	.25
3—Transparent, Heavy	.005½	.30
5—Ruby or Orange, Non-actinic, extra heavy, for masking	.008	.35
6—Transparent, Extra Heavy	.008	.35

Eastman Mask Charts



For producing printing masks with rectangular openings of any size up to its capacity. Made of non-actinic paper, accurately ruled in quarter-inch spaces and marked in inches both ways from the center and on the outer edges. The chart is placed over the mask paper and then both the chart and the masking blank are cut with a sharp knife to where the lines producing the desired size intersect. Or the chart may be used as a mask when only one of a size is desired.

	PRICES		
	5x7	8x10	11x14
Per dozen	$0.15	$0.25	$0.45

Black Masking Paper

A good quality, heavy black paper easily cut to desired size and form for masking. It is also suitable for making special sized leaves for albums.

Supplied in sheets 11x14 inches, a most convenient size.

100 Sheets $1.50

Elite Grouping Stools

The set of seven groupers shown above has been a popular seller for years. The set consists of two 24-inch, three 17-inch and two 11-inch stools. Stools may be purchased separately when desired.

Many clever grouping arrangements can be made without too much fuss as the stools are light and compact and easily moved into position.

They are made of durable twisted steel rods, finished in antique copper, with seats of oak. Under ordinary conditions of usage, these stools should last for many years.

Price, any height—11, 17 or 24-inch . . . . . $ 3.00
Per set of seven, as illustrated 18.00

Elite Poser No. 1

A substantial posing chair with adjustable back and seat. It is made of strong steel rods with oak back rest and seat.

The back can be adjusted quickly for height and the seat may be raised or lowered to suit the convenience of the sitter.

Price $13.50

Elite Poser No. 2

The Elite, No. 2, is similar in construction to the No. 1, excepting that the seat and back rest are covered with genuine leather.

These chairs represent unusually good value as they are practically indestructible, yet they are good looking and attractive in appearance.

Price $20.00

Elite Chair No. 3

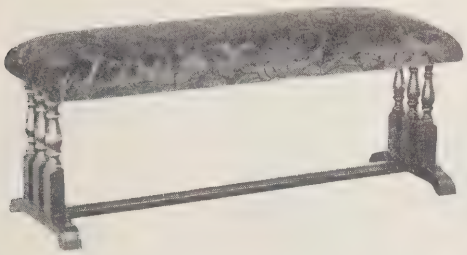
Here is a good serviceable chair which will be found useful in the operating room as well as in the workrooms.

Strong steel rods are used in making the frame, and the seat is made of substantial oak, properly finished.

Price $3.50

Majestic Posing Benches

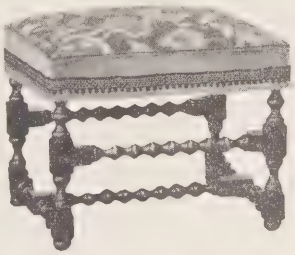
A selection of six benches which photographers will find suitable for use in posing as well as for studio reception rooms. These numbers have been carefully selected for quality, durability and price.



No. 41—$21.00

A strongly constructed posing bench covered with a fine grade Mohair.

Length, 45 inches. Width, 16 inches. Height, 20 inches.



No. 50—$21.50

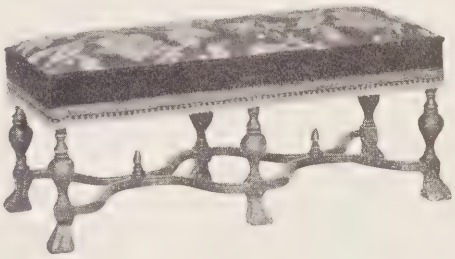
An attractive posing bench in figured Tapestry with Mohair border and fringe.

Length, 22 inches. Width, 17 inches. Height, 20 inches.

No. 45—$25.00

A well-designed bench finished in figured Mohair combined with plain Mohair and fringe.

Length, 45 inches. Width, 17 inches. Height, 20 inches.



No. 51—$32.50

This handsome bench is offered with figured Tapestry top and Mohair border and fringe.

Length, 43 inches. Width, 18 inches. Height, 20 inches.

No. 20—$12.00

This upholstered bench in Walnut Finish is ideal for the Studio. A Mahogany Finish may be had on special order. Length, 36 inches. Width, 15 inches. Height, 21 inches.

No. 18—$12.00

A neat posing bench in Walnut Finish with fine upholstered seat. This may be obtained in Mahogany Finish on special order. Length, 36 inches. Width, 15 inches. Height, 21 inches.

Eastman "Four-in-One" Groupers

Four stools of varying height, made of solid oak, and finished attractively are offered in this set. When not in use the stools nest together into a very small space 12¼ inches square. In size the stools are 24, 20, 16 and 12 inches high.

THE GROUPERS SEPARATED

THE GROUPERS NESTED

Eastman "Four-in-One" Groupers, per set of 4 . . . . . **$15.00**

Majestic Steel Filing Cabinets

Offer great convenience in filing and storing 8x10 or smaller negatives and correspondence.

They are beautifully finished in Olive Green enamel and trimmed with high grade Bronze-Plated hardware.

Style A . . . **$48.00**

A four-drawer unit, with full Progressive Roller Suspensions on each drawer.

Style B . . . **$35.00**

Similar in finish and design but without the Progressive Roller Suspensions.

Automatic Locks

An automatic lock which controls all four drawers can be furnished with either the A or B grade cabinets at the following prices.

Grade A, Automatic Lock, extra $6.00
Grade B, Automatic Lock, extra 4.50

Majestic Steel Storage Cabinet

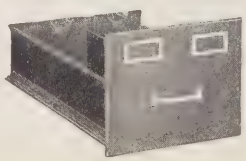
Here is a first class storage cabinet for which you will find many uses. It is suitable for storing photographic papers, films, chemicals and smaller apparatus such as scales, trays, etc. It can also be used for filing away office records, letters and other papers.

By using only the top shelf for hats, it can be used as a very good space-saving locker.

The cabinet measures 36x18x78 inches outside, and is supplied with four adjustable shelves. It is finished in Olive Green enamel and has a substantial lock with two keys.

Price $46.00

Dividers for 5x7 Negatives



A divider can be fitted in one or more drawers of either the Style A or B cabinets. This division makes it possible to file two rows of 5x7 or smaller negatives in one drawer.

Dividers, per Drawer . . $3.00

Lifelike Charmers for Studio Use

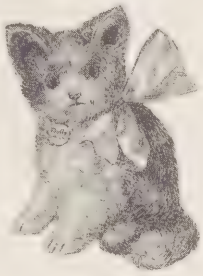
A selection of toy animals, which will help the operator greatly when making portraits of children. These toys are well made and can be handled by children with entire safety.

The "Bully Pup"

A very attractive pup with a saucy twinkle that will make a hit right from the start. Made of fine plush with hair collar and a bell around neck. The 8-inch size has a voice.

4 inches high $1.00
6 inches high 1.75
8 inches high 3.50

The "Fluffy Cat"



You'll like her so well that the children will have a hard time getting her away from you. A most appealing toy made of long silk plush in gray and white shades. The 8-inch size has a voice.

7 inches high $2.50
8 inches high 3.50

The "Hand Molly Dog"

A hand operated toy which should be slipped over the hand and manipulated with the fingers. Made of long mohair plush in black and brown shades.

Price $2.00

The "Teddy Clown"

A Teddy Bear that is different enough to make instant appeal to the kiddies. Has pom-pom trimmed felt clown hat and removable ruffle. Made of cub colored plush with movable limbs.

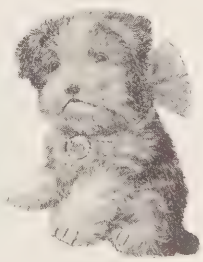
9½ inches high $1.50
11 inches high 2.50

Molliette

An attractive saucy faced puppy and doll. The head, hands and feet are of silk plush, the body, arms, and legs are of velvet stuffed with down. The head is movable and the doll is furnished with elastic cord and bell.

Price $1.35

Molly Dog



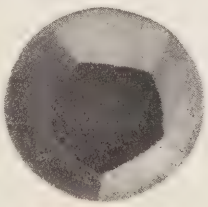
This little fellow's woebegone smile is irresistible and he will make an instant hit with your little sitters. Made of long silk mohair plush in realistic brown and white colors. The head is movable and the 8-inch size has a voice.

6-inch size $1.75
8-inch size 3.50

Educational Ball

Bright and attractive, this bouncing educational ball comes in fine quality plush and is washable. The six primary colors are combined in its make-up.

Price $1.00

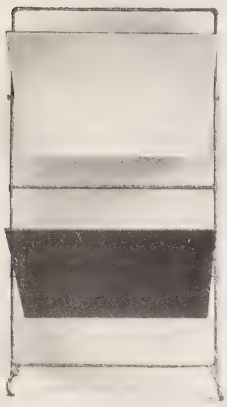


Hand Jocko

Here is a comic monkey which can be made to perform enough antics to interest the most diffident child. The face, ears and hands are made of felt and the body is of fine quality plush.

Price $1.25

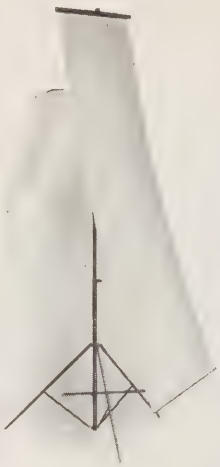
Eastman Studio Reflector



Consists of two rectangular, opaque screens, each 41 x 35 inches, mounted one above the other in a strong, iron frame. These screens are black on one side and white on the other, and can be swung to any angle and securely locked. Floor standards prevent swaying and casters facilitate moving. It stands 6 feet 7 inches high.

Eastman Studio Reflector $30.00

Eastman Home Portrait Reflector



An indispensable accessory in home portraiture. The reflector—4 feet 11 inches x24¾ inches in size—is made of white opaque cloth, which reflects the maximum amount of light; mounted and hung on a metal stand—70 inches high when extended—26 inches in length when folded. An adjustable rod at the foot holds the reflector at different angles. A cloth carrying bag is provided. Weight, 4½ pounds.

Price $12.00

Century Head Screens and Head Rest

CENTURY HEAD SCREEN
MODEL A
$13.00

CENTURY HEAD SCREEN
MODEL B
$13.00

CENTURY HEAD REST
$12.00

These accessories are almost essential to any well equipped studio.

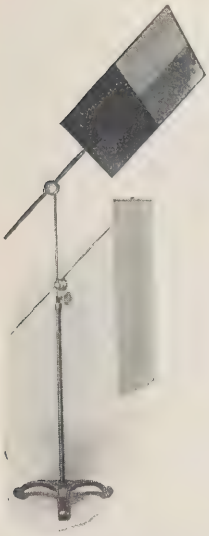
The Model A Head Screen has a circular screen, 32 inches in diameter, covered with white muslin.

The Model B Head Screen has a black screen 21¼x29 inches with a cut-out on one side.

Each screen is attached to a 36-inch rod which slides in a clamp on the vertical extension. Extreme height of vertical extension is 72 inches.

The Century Head Rest is easily adjusted to firmly support the head in any desired position. Its height extended is 5 feet 10 inches.

Century Universal Head and Side Screen



The Century Universal Head and Side Screen is one of the most important accessories required in studio portraiture.

The Head Screen, measuring 27½ inches square, is divided into four squares of varying density from white to black, and revolves independently on its center.

The Side Screen consists of two translucent curtains either of which may be rolled up to pass more light. These curtains measure 25½x34½ inches.

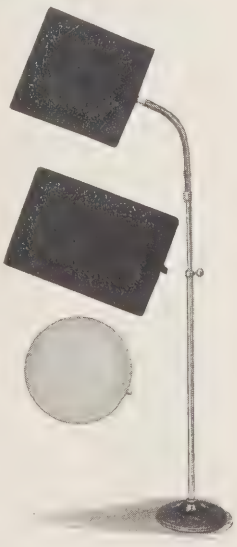
The extreme height of the vertical extension is 72 inches.

Price $24.00

Halldorson Head Screen

(Flexible Neck)

This head screen has a flexible neck which permits adjusting it to any angle at which point it will remain until moved. Three different screens are available.



Price, complete with one screen (choice of following three sizes, 10x10 dark, 10x15 dark, and light color round, 10 inches in diameter. The first one is supplied with outfit unless otherwise specified) . . . $ 8.50

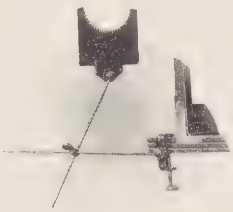
Same with all three screens 15.00

Same as first above, but with Folding Stand for home portraiture $10.00

Same as first above, but with three sections instead of two $10.00

Screen only, any of the three sizes. . . $3.25

Eastman Vignetter

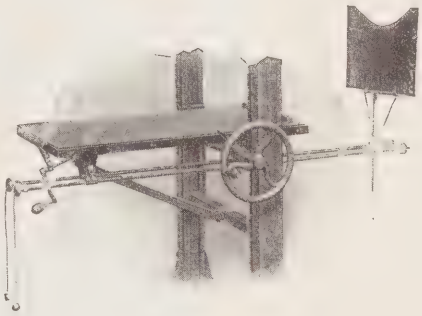


It consists of two extension arms—15 inches in length—adjustable to any desired position. One of these arms holds the vignetter card; the other is set in a clamp which grips the camera bed.

Intended especially for home portraiture as it may be attached in an instant to any portrait or view camera, weighs but a trifle over 8 ounces and folds into a very small space. The vignetting card measures 5⅝ inches in width by 4 inches high, and is black on one side and grey on the reverse. The finish is white nickel.

Price $2.00

Folmer Vignetter



For use with Century or Semi-Centennial Studio Stands. The operator may control all its movements and adjust it to any desired position while focusing his camera.

The vignetter card is attached to a vertical rod set at the end of two horizontal metal tubes.

Turning the knob on one tube raises and lowers the vignetter, while the other tilts the vignetter towards, or away from the lens. Cords passing through the tubes control the oscillating movement. The entire vignetter may be moved back and forth, a binding screw on the rear bracket locking the tubes in the desired position.

The metal parts are steel and brass in gunmetal finish. Length over all—50 inches. Size of card, 9x18 inches; black on one side, gray on the reverse.

Price $16.00

Halldorson Vignetter and Copy Holder-Mirror

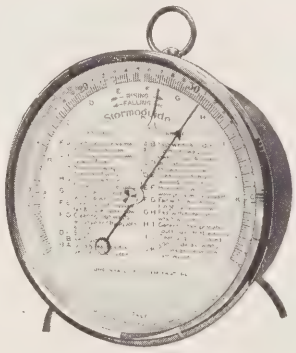
The Vignetter is of sheet steel, finished in dull black, with threaded fitting for mounting on the flexible neck stand. Thus mounted it affords a perfect vignetter to use with any camera.

The Copy Holder-mirror is made of aluminum, size 12x12 inches, with spring holder clips on one side for holding picture while copying, and a polished reflecting surface on the other for use as a reflecting mirror. When mounted on the flexible neck stand it becomes a very convenient and useful studio accessory, serving both as copy holder and reflecting mirror.

PRICES

Stand with flexible neck only $6.00
Vignetter, without stand 3.50
Copy Holder-Mirror, without stand 5.00

Stormoguides



The Stormoguide is a first class Aneroid Barometer with an easy reading dial. It is only necessary to set the indicator at certain intervals to know what the probable weather conditions will be for the next 24 hours.

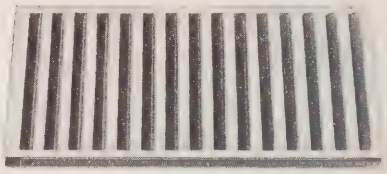
No. 2554—Mantle style, 14½ inches wide and 8 inches high. Beautifully finished in solid mahogany $50.00

No. 2555—A high grade barometer (not compensated for temperature) for use on studio walls . . 18.00

No. 2256X (illustrated)—Similar to above excepting that it is compensated for temperature and has folding feet which permit setting it on a desk or shelf 25.00

No. 2258—Stormoguide, Jr., an inexpensive little weather advisor which foretells conditions with surprising certainty. The case is bakelite, mahogany finish and the aneroid movement is reliable . 10.00

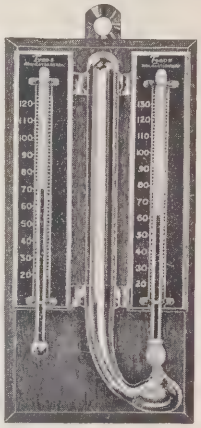
Majestic Light-Proof Ventilator



This ventilator is absolutely light-proof and can be used with perfect assurance. Set properly into the darkroom door or wall it will provide good ventilation.

Price $5.00

Hygrometer

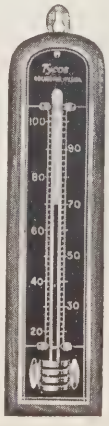


A reliable instrument for determining temperature and the relative and absolute humidity. Each instrument comes with copy of U. S. Weather Bureau tables and directions for determining humidity, etc.

Magnifying mercury-filled thermometer tubes; black-oxidized brass scales with white-filled figures and graduations; insulating brass supports. Approximate temperature range 20° to 120° F.; glass siphon water bottle; wick; mahogany-finish board, size 8½ inches by 4½ inches.

No. 5532—Tycos Mason's Form Hygrometer (*best grade*) $5.00

Wall Thermometers



Tycos Best Grade

The No. 5110S is a high grade thermometer with mahogany back and all metal parts finely finished in dull metal.

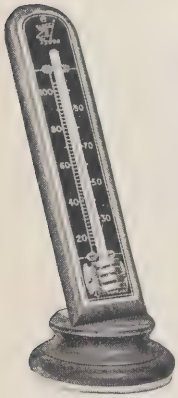
No. 5110S—6-inch $2.50
No. 5110S—8-inch 2.75

Taylor Medium Grade

No. 5120S made with natural oak or cherry finished backs and black oxidized brass scale.

No. 5120S—6-inch $1.00
No. 5120S—8-inch 1.25

Desk Thermometers



These dependable thermometers are handy and good looking.

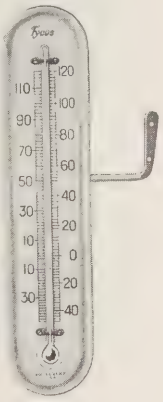
They can be set on your desk or on the reception room table.

No. 5354S is made of metal and stands 6 inches high.

No. 5340S is a richly finished solid mahogany thermometer with table in dull metal. It is a splendid ornament and stands 8 inches high.

No. 5354S—6-inch $2.50
No. 5340S—8-inch 5.00

Outdoor Thermometers



Here is a thermometer which can be fastened just outside the window at an angle which is easily readable from the inside of the room. The No. 5316S is a good grade thermometer finished in white enamel. No. 5306S (illustrated) is of best grade enamel.

No. 5316S $1.00
No. 5306S 3.50

Watkins "Bee" Meter

This meter insures the best results by giving the correct exposure under all conditions. Extremely simple to use. May be carried in the vest pocket. U. S. dial supplied unless F. dial is asked for.

Price $2.50
Refills, per package of 6 35

Heyde Aktino Photo-Meter

Heyde's Aktino Photo-Meter eliminates guess work in photography as the correct time for exposure is quickly determined. Exposure table complete on dial.

Price $5.00

Justophot and Cinophot

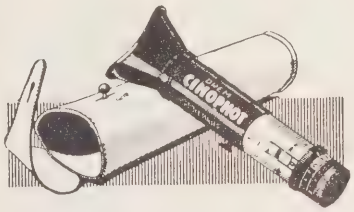
The Justophot and Cinophot Meters give correct time exposures with scientific precision under all light conditions. They are independent of altitude, locality, climate, hour, season, distance and geographical position.

Justophot

For still cameras and color photography, gives directly selective readings from 1/25, 1/5, 8 seconds and 2 minutes. Compares directly all stops from *f*:1 to *f*:45, with time from 1/1500 second to 30 minutes.

Complete with Sole Leather Case $10.50

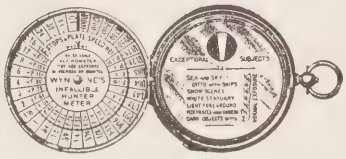
Cinophot



For all motion picture cameras, movie titles and time exposures, gives direct readings for Ciné Kodaks and others. Direct selective observations for 1/32, 1/4 and 30 seconds, and stops from *f*:1 to *f*:16, compares all stops from *f*:1 to *f*:4.5, with exposure time from 1/1000 to 30 seconds.

Complete in Sole Leather Case $12.50

Wynne Infallible Hunter Meter



The Wynne Infallible Hunter Meter is known for its simplicity, efficiency, convenience and compactness. It opens like a watch and may be carried in the vest pocket. F., U. S. or specially divided scales for Autochrome exposures may be substituted for one another.

In ordering state kind of scale desired.

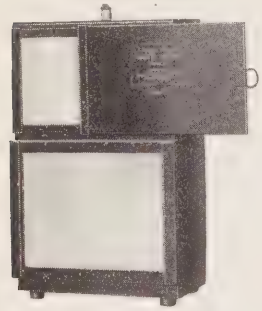
Hunter Meter $3.75
Sensitive Paper, Refills 35
Leather Pocket Case 75
Top Scale only, F. or U. S. 40
Autochrome Scale and Instruction Book (for Hunter only) 50

Wratten Safelight Lamps

Nos. 1 and 2

These lamps are constructed so that only reflected light is permitted to pass through the safelight, assuring evenness of diffusion. This is accomplished by placing the electric globe inside the lamp at the top.

By means of a white enameled reflector the rays of light from the lamp above are brought down and evenly distributed over the safelight.



NO. 1 LAMP

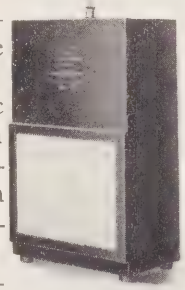
The safelight glasses are 8x10 inches, affording ample illumination for the inspection of large negatives.

The upper half of the No. 1 Lamp is fitted with a sheet of opal glass for white light illumination, and is covered with a light-tight sliding shutter.

The No. 2 Lamp is of the same height and similarly constructed, but it does not have the upper opal glass or slide.

These lamps include electric lamp attachment with 26-inch cord and plug and one safelight. The electric bulb, which should be 25 watts, is not supplied.

When no safelight is specified, the No. 2 will be supplied.



NO. 2 LAMP

	No. 1	No. 2
Wratten Safelight Lamp, including safelight, cord and plug	$10.00	$8.00
Extra Safelights, any series, 8x10, each		1.25

Eastman Safelight Lamp

This lamp may be attached either to a drop cord or a wall socket and is especially convenient where an overhead light is desired. The lamp takes a 5x7 Wratten Safelight, the series 2 being supplied unless otherwise specified. As the light is direct a 10-watt bulb (not supplied) should be used.

Eastman Safelight Lamp, including one Safelight, screw plug and socket	$3.00
Extra 5x7 Safelights, any series	.75

Kodak Safelight Lamp

Like the Wratten Safelight Lamp this lamp has the upper light chamber so that only reflected rays strike the safelight. It is equipped with a 5x7 series 1 safelight for use with film or plates not highly color sensitive. Other safelights may be obtained. It is made of metal—includes electric fittings and 4½ feet of cord with plug, but not the 25-watt electric bulb.

Kodak Safelight Lamp, including one safelight, cord and plug	$3.50
Extra Safelights for Kodak Safelight Lamp, any series, 5x7, each	.75

Brownie Safelight Lamp

This lamp is made of metal, neatly japanned, and is only a trifle larger than the 10-watt Mazda bulb it holds. Has a circular, removable, safelight in end and larger, removable safelight in side, both series 1. Electric bulb not supplied.

Brownie Safelight Lamp	$1.75
Extra Circular Safelights, each	.25
Extra Rectangular Safelights, each	.40

Wratten Safelights

Series 00. A clear yellow for use with Velox, Azo or similar papers.

Series 0. A bright orange suitable for use with Bromide Paper and Lantern Slide Plates.

Series 1. An orange for use with ordinary, medium and extra rapid Films and Plates which are not color-sensitive.

Series 2. A safelight for extra rapid and orthochromatic Film or Plates which are sensitive to green, but not to red.

Series 3. This is a green safelight for use with the red-sensitive Panchromatic Film or Plate.

Series 4. A bright green safelight, for use with ordinary plates, for those who are unable to use a red light. Not safe for Orthochromatic Film or Plates.

Wratten Safelight, Special (10x12 size only), for use only with indirect lighting for developing negative film.

	5x7	8x10	10x12
Wratten Safelights, any series	$0.75	$1.25	$1.75

Indirect Light Boxes

The light is thrown against the ceiling and distributed evenly over the workroom. These light boxes are intended to be hung on chains from the ceiling as shown in illustration.

DOUBLE LIGHT BOX

Two styles are available:—

The *double box*, shown, uses two 10x12 safelights or one white light and one safelight.

The *single box* uses one 10x12 safelight or white light. Cords and plugs are included but not safelights, electric bulbs or chains.

Single Indirect Light Boxes	$ 9.00
Double Indirect Light Boxes	18.00
Wratten Safelights, 10x12, each	1.75

Eastman Floodlight

Used singly or in pairs, the Eastman Floodlights are especially efficient for copying or for photographing in the commercial studio or as an auxiliary light in portraiture.

Because of its portability it is also useful in home portraiture. Mounted on a collapsible stand, 9 feet high extended, 26 inches closed. Weight complete, 5 pounds. The light is adjustable to almost any position. Uses a 500-watt Mogul base lamp (not furnished).

Eastman Floodlight, including 5 feet of heavy cord, but without lamp	$20.00
500 Watt, Clear, PS-40	2.00
500 Watt, Blue, PS-40	3.00

Kodalite

The Kodalite gives a wonderful amount of light over a narrow angle and general illumination over a much wider space. The silver plated reflector surface is protected by a transparent lacquer which will prevent tarnishing.

Two Kodalites make an ideal outfit for Ciné pictures—they may be used open but for close-ups and portraiture a diffuser should be used.

Kodalite, including Connecting Cord and Switch	$25.00
Kodalite 500-Watt Lamp, 100- or 110-Volt	3.25
Kodalite Diffuser	1.50

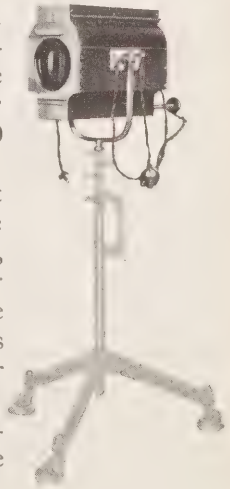
Angle Reflector for Mazda Lamps

The Angle Reflector is just the thing where a photographer desires to make up a bank of Mazda lamps for his studio. A popular way is to hang them on the skylight to assist daylight.

Diameter 14 inches, Mogul Socket, without Lamp or Wiring	$10.50
1000 Watt, 115 Volt, PS-52, Clear	4.00
1000 Watt, 115 Volt, PS-52, Blue	6.50

Majestic Focusing Spotlight

1000-Watt Type



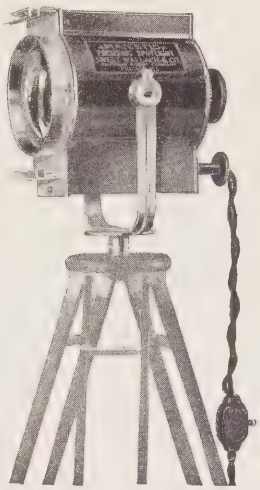
This spotlight is equipped with an *adjustable mirror reflector* which increases the light obtained over older type spotlights by from 50 to 100%.

This advantage makes it one of the most valuable lighting accessories available, for the added power, together with a proper use of the focusing attachment, adapts it for either floodlighting or spotlighting.

Daylight effects are obtained by the use of a blue screen which is furnished.

1000 Watt Type, without Lamp	$78.50
500 Watt, 115 V., G-40, Mazda C, Clear Lamp	4.25
1000 Watt, 115 V., G-40, Mazda C, Clear Lamp	6.75

Home Portrait Type Majestic Focusing Spotlight



The Home Portrait Type Majestic Focusing Spotlight should be in the hands of every photographer who makes pictures in the home.

It is very compact, yet has all the refinements of the most expensive spotlight—a friction focusing device with a tilting yoke which has a friction joint to hold it in any position.

A wall plate is furnished so it may be hung on the wall in the studio. A tripod socket enables you to use it on a tripod or on a Kompakt Ventlite Stand. A 400 watt, G-30, Mazda C Lamp is used. Two screens are furnished:—a photo blue screen for daylight effects and a ground screen for diffusion.

PRICES

Lamphouse and Cord, without Stand or Lamp	$35.00
No. 2 Crown Tripod as illustrated, extra	11.00
Kompakt Ventlite Stand	9.00
400 Watt, G-30, Mazda C, Clear Lamp	3.00

Halldorson Emergency Hand Lamp

The Halldorson Emergency Lamp is handy for many purposes and will be found useful regardless of what other lighting equipment you may have.

The operator simply holds it in his hand and applies the light where he wants it.

By the use of this lamp, the commercial photographer can light up every part of the object by moving the lamp all around it.

PRICES

Price without Globe	$10.00
400 Watt, G-30, Photo Blue Globe	4.00

Halldorson General Service Lamps Style C

The Style C can be used as the main light in portraiture or in commercial photography, and in the latter case may be used in pairs or threes.

It shows no center spot, gives even illumination over an area suitable for portrait or commercial purposes, and develops the maximum light consistent with proper dispersion. By using a lamp with frosted tip the light given will be soft and diffused and well adapted for portrait purposes.

SPECIFICATIONS

Porcelain lined reflector; nickel finished trimmings; tumbler switch shut off at back of reflector; 15 feet of connector cord; cast base stand with casters for convenient movement; maximum height 10 feet.

PRICES

Price complete, without lamp	$45.00
1500 Watt, Photo Blue, PS-52	7.75
1500 Watt, Clear, PS-52	5.50

Halldorson General Service Lamps Styles A and B

The Styles A and B lamps are similar to the Style C described above, but are designed to sell at a lower price. Instead of cast base stand with casters, they are fitted with folding stand, though they may be ordered with former at a price of $5.00 additional. The Style B has same size and style of reflector as Style C, while the Style A has reflector suited for 500-watt lamp. These may be used with frosted tip lamp as explained for Style C, or with the diffusing screen listed below.

PRICES

Without Lamps:	
Style A for 500-Watt Lamp	$20.00
Style B for 1000 or 1500-Watt Lamp	30.00
Extra for Cast Base Stand, either style	5.00
Adjustable Diffusing Screen Attachment for above Lamps	2.50
Carrying Case for Style A, 11½x11½x15	7.50
500 Watt, Photo Blue, PS-40	3.00
1000 Watt, Photo Blue, PS-52	6.50
500 Watt, Clear, PS-40	2.00
1000 Watt, Clear, PS-52	4.00

Halldorson Concentrating Spotlamp

This handy, small globed spotlamp may be used close to or directly behind the sitter. It is efficient and gives plenty of light for registering with Mazda light, arc light, or daylight.

SPECIFICATIONS

Focusing from small to large spot; ground glass cap for extreme diffusion; uses 400-watt photo blue Mazda; finished in stucco enamel and nickel; supplied with either folding or studio stand.

Price without Globes:

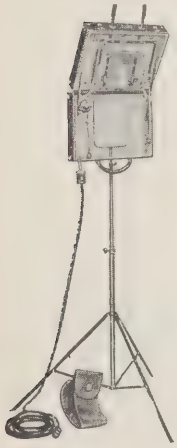
With Folding Stand	$45.00
With Studio Stand	50.00
400 Watt T-20, Blue Globe	3.75
Home Portrait Carrying Case	10.00

Halldorson Edge Light

It is so small that it may be concealed behind the sitter to give halo effect, or, placed in other concealed positions for special lightings. Likewise it may be used from the front in line with the main light for accentuating the high lights on the face. Its small size and convenient mounting will commend it to operators who use special lightings for securing individuality in portraiture.

Complete with 165-Watt Tubular Clear Lamp and 10 feet of Connector Cord	$12.50
165 Watt, Clear T-10, Lamp	1.75

Halldorson Cinema Arc Lamp



An attractive twin arc lamp for Home Portrait, Commercial or Motion-Picture photography. The arc folds directly into its own insulated carrying case. All loose parts except the stand pack into this case. A heat-resisting, clear fire-glass diffuser and spark shield prevents sparks from damaging the floor or rugs. A similar shield made of ground glass, for use as a diffuser in portrait work, may be purchased extra.

SPECIFICATIONS

Operates on 10 and 20 amperes; pull cord switch for changing amperage; 2 arcs in series; rheostat in lower half of case; 110 volt A.C. or D.C.; size of case, 5x11½x14½ inches; weight complete with stand 22 lbs.; uses Photo White Flame Cored carbons ⅜ inch dia. x 12 inches long; lower carbons same diameter, 4 inches long; 15 feet of cord with plug for ordinary socket.

Price Complete	$65.00
Extra Spark Shield, Ground Glass	3.00
Carbons, ⅜x12-inch, Cored, per dozen	1.90

Halldorson Electric Studio Lamp

This lamp gives sufficient light for every purpose from the making of single sittings to large groups. In the case of the average sittings only two of the four lamps are turned on and the full power is required only for children or groups. The rounded top of the reflector is made to throw the light downward thus eliminating any tilting arrangements.

SPECIFICATIONS

Individual reflectors behind each globe; sky-front 36x54 inches; base 2½ feet square; height 8¼ feet, extended 10 feet; cable 25 feet.

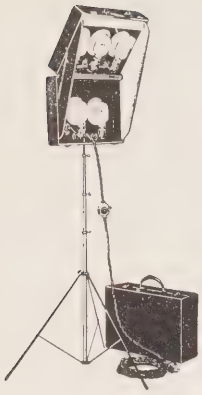
Frame Construction is rigid and attractive.

Up and Down Movement without cranking and body is held at any height by spring balances.

Installation: Lamp comes without connector at end of cable. Installation requires services of electrician.

Price, without Lamps	$135.00
1500 Watt, PS-52, Photo Blue Lamps, each	7.75

Halldorson Home Portrait Electric Lamp



The Halldorson Home Portrait Electric Lamp meets the needs of the home portrait photographer. It is compact and occupies very little space when folded into its case.

SPECIFICATIONS

Size of case 5x12x17 inches; tracing cloth diffuser mounted in roller curtain fashion; satin finished aluminum reflectors developing maximum light consistent with proper diffusion; side shields asbestos protected; separable hinges connect halves of case so that each half may be used as separate unit by means of extra stand and lamp cord; uses 400 watt, T-20, Mazda Lamps.

PRICES

Five Unit Lamp as illustrated, Fabrikoid Finished Case, one Stand with Canvas Cover, 15-foot Cord with Plug, without Lamps	$50.00
Same as above with Pull-Chain Sockets and De Luxe Leather Finished Covering	55.00
Extra 15-foot Length of Cord with Plug and Half Connector	4.50
Extra Stand	10.00
400 Watt, Mazda Lamp T-20, Clear White, each	2.75
400 Watt, Mazda Lamp T-20, Photo Blue, each	3.75

Perkins Junior Twin-Arc Portable Lamp

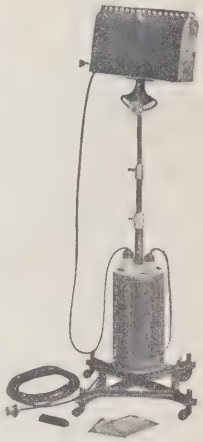
For all around commercial purposes it is sufficiently powerful for portraiture, and, in conjunction with a reflector, is an ideal lamp for small studios.

The "Perkins Junior" is an automatic, white flame arc lamp that burns steadily and evenly. It has two power ranges, 12 and 20 amperes, 110 volts, either direct or 60-cycle alternating current. The carbons are 10 mm. x 12 inches. The outfit includes complete lamp, diffusing curtain, 20-foot cord, 12 carbons, carrying case and stand with casters. Weight, 23 lbs.

PRICES

Complete with Caster Base	$88.00
With Plain Base	85.00

Perkins Hi-Power Automatic Arc Spotlight



Simplicity of operation, continuous full intensity of light and correct registration are a few of the salient points of this Spotlight. Low current consumption is assured by two power ranges at 8 and 14 amperes. The operator may control the beam of light from a small spot up to a large spot with any degree of intensity desired and at any angle within a range of 90 degrees.

No screws are required to adjust the height; the lamp is automatically held in the raised or lowered position as desired.

PRICES

Complete with two Diffusing Screens, 20-foot Cord for attaching to 110-Volt Wall Socket and twelve (12) White Flame Carbons	$110.00

Perkins Hi-Power Semi-Automatic Arc Spotlight

The tilting features of this Spotlight are very unique and can be accomplished with the greatest of ease, both when the Cabinet is on the top of stand or when placed on the Base.

The Cabinet is finished in Mahogany or Black Crystallized Lacquer, the end castings are of aluminum.

The Oxidized Stand is of the clutch type which does not involve the use of screws for adjustment of height. The Base is provided with Rubber Tired Ball Bearing Casters.

The entire outfit includes Lamp, Stand, 20-foot Cord, 12 White Flame Carbons, 2 Diffusers and Diaphragm.

Price	$75.00
Carbons, 10 mm. x 4-inch, per dozen	.95

Same outfit as above but equipped with 400 Watt Mazda Bulb.

With Studio Stand and Casters	$55.00
With Folding Stand and Casters	55.00
With Folding Stand without Casters	52.00

Perkins Hi-Power Single Arc Cabinet Lamp

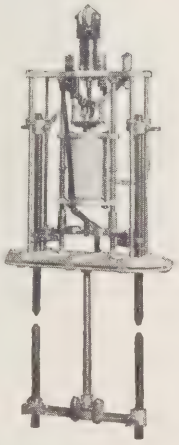
The Single Arc Cabinet Lamp will be found useful for both Enlarging and Printing. The light source, as a single unit, assure the best results. This lamp is so constructed that it may be suspended.

It has a power range of from 18 to 30 amperes and is interchangeable on 110-Volt Direct Current or 60-Cycle Alternating Current without adjustment.

PRICES

Complete with 20-foot Special Cable, one dozen ½x12-inch White Flame Carbons and 18- to 30-Ampere Three-Intensity Rheostat	$80.00
Outfit as above with 18- to 40-Ampere Rheostat, giving ten points of light intensity	95.00
Outfit as above for 220 Volt, 10 to 30 Amperes	90.00
Outfit as above for 220 Volt, 18 to 40 Amperes	110.00
Carbons, ½x12-inch, per dozen	2.25

Perkins Hi-Power Twin Arc Cabinet Lamp



This lamp may be suspended and used in various types of cabinets or proofing devices. In fact it is a very practical lamp to use where the photographer has a cabinet of his own design and desires a twin arc lamp to use in it.

The wiring is very simple as the terminals on the lamp are numbered to correspond with the numbers of the rheostat terminals. These lamps operate on D.C. or 60-Cycle Alternating Current.

The 2045 B Rheostat provides ten points of light intensity from 20 to 45 amperes.

The 2025 D Rheostat provides three points of intensity from 20 to 25 amperes.

Outfit includes lamp, rheostat, 20-foot special 3-conductor cable and 12 white flame carbons ½x12 inches.

PRICES

Model	Style	Volts	Price
2025	D	110	$ 85.00
2045	B	110	100.00
2025	D	220	110.00
2045	B	220	125.00
Carbons, ½x12-inch, per dozen			$2.25

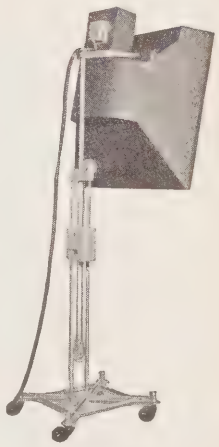
Perkins Hi-Power Single Arc Studio Lamp

A truly remarkable lighting unit finished in either Black or Mahogany Crystallized Lacquer. The reflector has a 22x26-inch opening and is equipped with a roller curtain and diffusing disc. The rheostat and 3-point control switch are mounted on the back of the reflector. The lamp operates automatically, on 110 Volts either Direct or 60-Cycle Alternating Current without any adjustment, with a power range of from 18 to 30 amperes. ½x12-inch carbons are used.

PRICES

Single Arc Studio Lamp	$150.00
Carbons, ½x12-inch, per dozen	2.25

Perkins Hi-Power Twin Arc Studio Lamp



Fulfills every requirement in a studio lighting unit. The tilting reflector provides for an even distribution of light which may be controlled by the manipulation of the diffusion discs.

The 2045 AA Rheostat provides ten points light intensity from 20 to 45 amperes, giving a range of light control from the low keyed lightings for closeups to the highest intensity for big groups.

The 2025 CC Rheostat provides three points of intensity from 20 to 25 amperes and is desirable when the wiring facilities will not accommodate the larger rheostat.

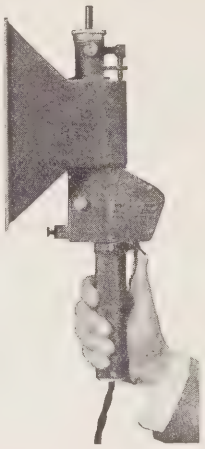
Complete outfit includes lamp with cable, reflector, stand rheostat, and 12 carbons (½x12-inch).

Lamps operate on either D.C. or 60-Cycle Alternating Current.

PRICES

Model	Style	Volts	Price
2025	CC	110	$175.00
2045	AA	110	190.00
2025	CC	220	190.00
2045	AA	220	210.00
Carbons, ½x12-inch, per dozen			$2.25

Perkins Little Giant Hand Arc Lamp



This single arc hand lamp adapts itself to commercial and industrial use. It will be found extremely valuable in eliminating shadows and for strengthening detail.

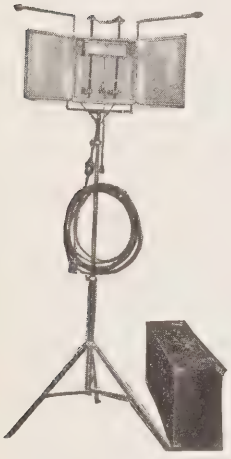
The Little Giant is a 15-ampere lamp, operating on 110-volt line, either direct or alternating current of any cycle.

In order to reduce the heat of the lamp to a minimum the rheostat is built as a separate unit. The resistance is sufficient in size to carry the current without danger of burning out.

PRICES

With Rheostat, 30-ft. Cord and 12 Carbons	$50.00
Fibre Carrying Case, extra	4.00
Carbons, 10 mm. x 305 mm., per dozen	1.90

Wohl Duplex, Jr. Arc Lamp



Connects to the ordinary light socket and operates on either A.C. or D.C., 110-volt current, drawing about 10 or 20 amperes. It gives a fine blue white light that assures good pictures.

The carbons are adjusted by a pull chain and will burn about four minutes with each adjustment.

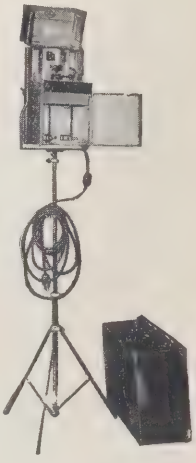
The size of the carrying case is 23½ x 12½ x 8 inches. Weight complete, 26½ pounds.

There is also an automatic Duplex, Jr. with the same dimensions as the above. However, this lamp will burn continuously and requires no further attention than to retrim when the carbons are consumed too short to strike a light.

PRICES

Hand Operated Lamp Complete with Carrying Case	$65.00
Automatic Lamp Complete with Carrying Case	85.00
Carbons, 10 mm. x 12-inch, per dozen	1.90

Wohlite Arc Lamp

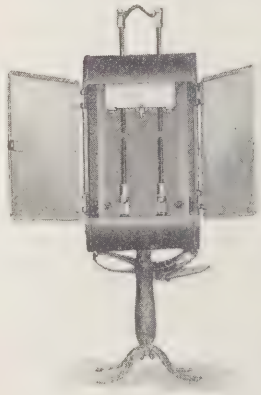


Designed to meet the demand for a powerful, sturdy, dependable unit for portable use. The weight is only 30 pounds. It will operate on A.C. (15–30 amperes) or D.C. (12½–25 amperes) and requires no adjustment for voltages from 110 to 125. The lamp will burn continuously until the carbons are consumed. The size of the carrying case is 23½x14x8½ inches.

Complete with woven glass diffuser set in refillable frame; 20 feet of heavy stage cable; Wohl double range aluminum clad connector and carrying case $100.00

Carbons, 10 mm. x 12-inch, per dozen 1.90

Wohl Camera Size Arc Lamp



The Cameralite is a compact twin arc light operating on either A.C. or D.C. at 1000 watts and draws about 10 amperes. The outfit weighs 6 pounds and measures 3¼ x 6 x 11 inches. The lamp may be carried in the hand or mounted on the special table stand which is a part of the equipment.

Lamp with Stand $39.00

Perkins Da-Lite Portable

A small and compact twin arc lamp weighing only 9½ pounds. The automatic feed makes it operate without attention.

When folded this lamp measures 13 inches high, 8⅜ inches wide, 4¾ inches deep and is mounted on a yoke that permits it to be tilted to any desired angle. Uses 8 mm. or $\frac{5}{16}$-inch x 12-inch carbons.

Price	$60.00
Fibre Carrying Case	5.00
Carbons, per dozen	2.70

Kompakt Ventlite Outfits

These outfits, made by a practical commercial man, cover every possible requirement of the photographer.

They are unexcelled for studio work, yet packed in their cases, the Home Portrait photographer will find them entirely portable, easily assembled and ready for use when required.

They are complete in every respect, easily packed into the cases provided; and light in weight, the Single Outfit weighing only 12½ pounds and the Double Outfit weighing only 23½ pounds.

Studio Ventlite

The Studio Ventlite has a 22-inch etched parabolic reflector, modified so as to yield an intense, but beautifully diffused light over an angle of 35 degrees. The direct light coming from the open filament of the globe is diffused through the use of a special frosted-tip Mazda lamp.

PRICES

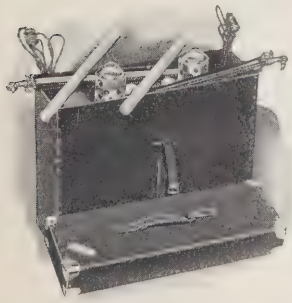
Studio Ventlite Reflector	$28.50
Studio Stand	25.00
20-ft. Ventlite Cord with Connectors	6.50
1000 Watt, 110 Volt—Photo Blue, Tip-Frosted Lamp, PS-52	8.25

The Single Outfit

The Single Outfit consists of: Kompakt Ventlite Reflector; diffuser; 6½ foot 4 section collapsible tripod stand; 20 feet of cord; and a substantially constructed black fibre carrying case. Illustration shows how compactly the case holds the various items.

Home Portrait Ventlite Outfit

The Double Outfit



The Double Outfit has two each Kompakt Ventlite Reflectors, diffusers, 8 ft. 4 section collapsible tripod stands, and one series current tap for 220-volt circuits and one fibre carrying case.

PRICES (without lamps)

Single Kompakt Ventlite Outfit	$52.00
Double Kompakt Ventlite Outfit	99.00
1000 Watt, PS-52, Clear Lamp	4.00
1000 Watt, PS-52, Blue Lamp	6.50

This outfit complete, consists of the following items:

One Hilite Ventlite Junior Reflector with Switch Cord, Plug and Handle	$18.00
One Kompakt Ventlite Collapsible Stand with Swivel and Cross Bar	12.00
One Kompakt Ventlite Reflector complete with Porcelain Mogul Socket and Attachment Plug and Switch	25.50
One Kompakt Ventlite Diffuser	3.00
One 20-ft. Length of No. 14 K. V. Cord, fitted with Attachment Receptacle and Plug	6.50
One 6½-ft. 4-Section Nickel-Plated Collapsible Tripod Stand	9.00
One Reinforced Fibre Carrying Case, size 8x13¾x20 (Total weight, 20 lbs.)	8.00
Price complete as above	82.00

Ceiling Ventlite

The Ceiling Ventlite offers the means of securing a softly diffused general illumination.

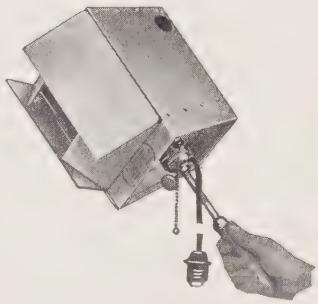
It is entirely self-contained and does not depend upon the condition of the walls or ceiling for its efficiency. A strong silk fabric is carefully stretched over a firm octagonal shaped wire frame with ample space to accommodate a 1000- or 1500-watt lamp.

A *rotating reflector* enables the operator to throw the light in any desired direction to light portions of groups or change the effects of backgrounds.

PRICES

Complete without Lamps	$25.00
1000 Watt, Mazda Lamp, PS-52	4.00
1500 Watt, Mazda Lamp, PS-52	5.50

Hilite Ventlite Junior



A small all enclosed reflector of 250- to 400-watt capacity, equipped with pull-chain switch, 12½-foot cord with attachment plug and receptacle. This is used as an auxiliary light both in Studio and for Home Portrait purposes. The folding wings are adjustable for diaphragming the light for fancy and spotlight effects. The Reflector is supported on the end of a counterweighted bar attached by a swivel to a regular Kompakt Ventlite collapsible stand whereby any desired position is attained.

PRICES

Hilite Ventlite Junior Reflector as described	$18.00
Extra K. V. Collapsible Stand with Swivel and Counterweighted Cross Bar	12.00
250 Watt, G-30, Clear Lamp	1.75
400 Watt, G-30, Clear Lamp	3.00
400 Watt, G-30, Blue Lamp	4.00

The Cine Ventlite

Although the Cine Ventlite was designed for motion picture work, its power and compactness have made it desirable as a portable light for home portrait or commercial photography. The aluminum reflector is etched to a silvery whiteness, assuring maximum light reflection in a diffused form. The rays from the filament of the lamp are diffused through a small disc etched on the lamp. With a mogul-to-medium socket adapter a 400-watt, T20, Photo, Blue lamp may be substituted for home portrait work.

The Single Outfit

The *Single Outfit* consists of one Cine Ventlite reflector with cord and connector, one Kompakt Ventlite Collapsible Stand and one 4x14x16 carrying case (Collapsible Stand cannot be carried in this case).

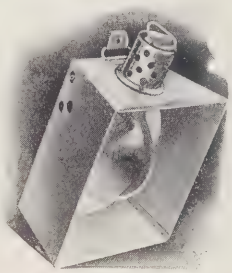
The Double Outfit

The *Double Outfit* consists of two Cine Ventlite Reflectors with two cords and connectors, two Collapsible Stands and an 8x14x20 carrying case.

PRICES

The Single Outfit	$42.50
The Double Outfit	81.00
1000 Watt, T-20, Disc-Etched Lamp, each	8.25
400 Watt, T-20, Photo Blue Lamp, each	3.75
Mogul to Medium Adapter	.35

Kompakt Ventlite Reflector

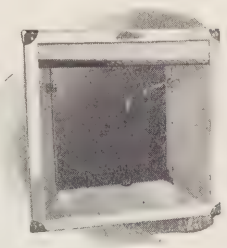


The dominant factor in the Ventlite system of lighting is the Kompakt Ventlite Reflector which is the result of very extensive experimenting, practical tests and years of actual use.

Made entirely from heavy gauge pure sheet aluminum, machine formed and hand riveted, it is practically indestructible and will last indefinitely unless injured from outside causes.

Price $25.50

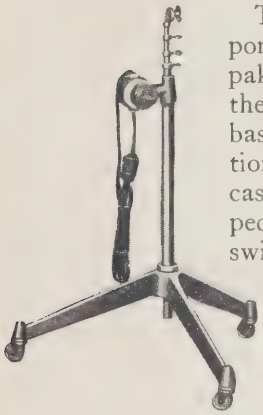
Kompakt Ventlite Kabnet



An auxiliary to the Kompakt Ventlite Reflector for enclosing all the light and forcing it through a roller curtained diffusing screen. It is instantly attached to any regular Kompakt Ventlite Reflector. It greatly increases the volume and quality of illumination. Regularly furnished with an offset clamp to equalize gravity.

Price $17.50

Kompakt Ventlite Studio Stands



These are the proper supports for individual Kompakt Ventlite Reflectors in the Studio; they have heavy bases of desirable construction mounted on ball bearing casters. The column is equipped with a convenient snap switch and extension cord with cord connectors so as to reach reflector when at highest point. They are made in two forms called Portrait and Commercial.

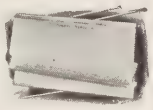
The *Portrait Stand* is adjustable from 2 feet to 9 feet and has 4 sections of telescopic nickel-plated tubing.

The *Commercial Stand* is adjustable from 3 feet to 9 feet and has two sections of telescopic nickel-plated tubing.

PRICES

With Switch and 6 Feet of Cord and Cord Connectors, either Type $25.00
Stands without Cords or Switches, either Type . . 18.00

K. V. Diffusers



The Kompakt Ventlite Diffusers are made of the best grade of imported tracing cloth, which is folded into aluminum strips at top and bottom to which supporting rods are attached.

The diffuser is attached to the reflector by placing the two rods at the top in openings at the outer edges of the socket house and then engaging the lower rod into the receptacle in the ratchet bracket just under the reflector body.

Price $3.00

Kompakt Ventlite Collapsible Stands

The Collapsible Stands are made of steel and brass. The tripods are finished in baked enamel and the four sections of telescopic tubing are nickel-plated.

They are furnished in two heights—6½ feet high for the Single Kompakt Ventlite Outfit and 8 feet high for the Double Kompakt Ventlite Outfit.

Each $9.00

Kompakt Ventlite Collapsible Stand with Swivel and Counterweighted Cross Bar, each $12.00

Kompakt Ventlite Junior Collapsible Stand, 5 Feet High, each 6.50

Kompakt Ventlite Konsentrator

This Konsentrator is used as an auxiliary to the Kompakt Ventlite Reflector. It has four adjustable wings which control the light openings from a small spot to full floodlight. It doubles the usefulness of the reflector by enabling you to get spotlight effects and floodlighting with the same apparatus.

Price $12.00

K. V. Cords

The Kompakt Ventlite Cords are made of No. 14 approved heater cord, made in 20-foot lengths, fitted with cord connectors for attaching to the reflector and to the attachment plug furnished.

Price $6.50

Additional cords like the ones furnished can be supplied for extra long reaches; these will interchange indefinitely with others as each cord has a male and a female connector on opposite ends.

The Indirect Studio Ventlite

The specially developed reflector eliminates the loss of light volume, as the direct rays as well as the reflected rays are regathered and re-reflected upon the photographic subject in a diffused but solid mass, producing a result identical with the reflected light from a North skylight. It is easy to move, adjust or control. Five 1,000-watt lamps are used in this Ventlite.

Price, without lamps $365.00

Descriptive circular on request

No. 5 Fotolite

The No. 5 Fotolite makes a fine hand light as, because of its extreme lightness, it may be held for a long period without the least strain. It can also be used on a special stand so constructed that the light may be moved and held in any desired position. Mounted on stand the light can be raised to about 8 feet. Stand folds into a 24-inch space.

PRICES

No. 5 Fotolite without Stand or Lamp	$ 6.00
No. 5 Fotolite with Stand, no Lamp	12.00
400 Watt, Clear, T-20 Lamp	2.75
400 Watt, Blue, T-20 Lamp	3.75
500 Watt, Clear, T-20 Lamp	3.00

No. 5 Fotolite—Double Stand

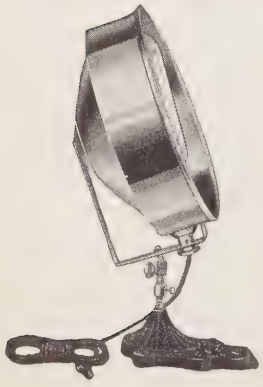
Two No. 5 Fotolites may be used on this heavily nickel-plated stand. The fittings allow the lights to be held in any and every position. The stand has a maximum height of 8 feet.

This stand, with an additional bracket, is also used in the combination No. 5 Fotolite, illustrated and described in opposite column.

PRICES

Complete as illustrated, without Globes	$20.00
Stand only	8.00

Table Model No. 10 Fotolite Reflector



Here is a special base with angle swivel for holding one No. 10 Fotolite. It can be used on a table or stand and will be found very useful in home portraiture as well as in the studio.

PRICE

As illustrated, including Carrying Case without Mazda Lamp	$19.00

Combination No. 5 Fotolites

A light, serviceable outfit for studio or home portrait work is offered in the combination of one Single and Double Stand. This makes one stand holding three No. 5 Fotolites that may be adjusted and held in any position.

The stand for this T iple Combination is similar to the No. 5 Fotolite Double Stand, illustrated opposite, excepting that in addition to the two lights shown, provision is made for placing the third light on the top of the center section. This outfit provides from 1200 to 1500 watts, Clear or Blue, depending on the size of lamps used.

The substantial Carrying Case, illustrated, will hold the three lamps, tripod and stand for same and all additional accessories required. This outfit is entirely portable as the net weight of case only is 6 pounds.

PRICES

Three No. 5 Fotolites	$18.00
Combination Stand	9.50
Carrying Case	7.50
Complete, without Mazda Lamps	35.00

No. 10 Fotolite

The No. 10 Fotolite will be found very desirable for home portrait work. Like all Fotolite lamps it can be plugged in on any electric light socket—ready for use in an instant. It is equipped with a nickel-plated Mogul socket and a nickel-plated tripod stand. Its aluminum reflector (measuring 11 inches in diameter) can be tilted to any angle.

PRICES

Complete with Stand including Carrying Case for Reflector and Case for Stand	$22.00
1000 Watt, Clear, T-20	6.50
1000 Watt, Clear, G-40	6.75

Edison Mazda Lamps

15-watt	115-volt	A-17	Mazda B	Inside frosted	$0.20
15-watt	115-volt	S-17	B	Clear	.25
40-watt	115-volt	A-21	B	Inside frosted	.20
75-watt	115-volt	PS-22	C	Clear	.45
75-watt	115-volt	PS-22	C-2	Daylight Blue	.65
100-watt	115-volt	PS-25	C	Clear	.50
100-watt	115-volt	PS-25	C-2	Daylight Blue	.80
100-watt	115-volt	PS-25	C	Clear (Spotlight)	1.00
150-watt	115-volt	PS-25	C	Clear	.60
200-watt	115-volt	PS-30	C	Clear	.80
500-watt	115-volt	PS-40	C	Clear	2.00
500-watt	115-volt	PS-40	C-3	Photo Blue	3.00
1000-watt	115-volt	PS-52	C	Clear	4.00
1000-watt	115-volt	PS-52	C-3	Photo Blue	6.50
1500-watt	115-volt	PS-52	C	Clear	5.50
1500-watt	115-volt	PS-52	C-3	Photo Blue	7.75
165-watt	110-volt	T-10	C	Clear	1.75
400-watt	115-volt	T-20	C	Clear	2.75
400-watt	115-volt	T-20	C-3	Photo Blue	3.75
500-watt	115-volt	T-20	C	Clear	3.00
1000-watt	115-volt	T-20	C	Clear	6.50
250-watt	115-volt	G-30	C	Clear (Spotlight)	1.75
400-watt	115-volt	G-30	C	Clear (Spotlight)	3.00
400-watt	115-volt	G-30	C-3	Photo Blue	4.00
500-watt	115-volt	G-40	C	Clear (Spotlight)	4.25
1000-watt	115-volt	G-40	C	Clear (Spotlight)	6.75

Edison Mazda Lamps

For Use in Eastman Products

For Model C Kodascope

100-watt	115-volt	T-8½ Mazda C Prefocus base	$2.85
100-watt	115-volt	T-8½ Coil, C-14 Prefocus base	3.50

For Model A Kodascope

200-watt	50-volt	T-10 C Screw base	3.75

For Model B Kodascope

200-watt	50-volt	T-10 C Prefocus base	3.75

For Eastman Projection Printer No. 1

250-watt	115-volt	PS-30 C Clear	1.85

For Eastman Projection Printer No. 2

400-watt	115-volt	PS-35 C Clear	3.75

For Kodalites

500-watt	115-volt	T-20 C Prefocus base	3.85

For Use in Other Products

For De Vry Projector

200-watt	115-volt	T-10 C Prefocus base	2.60

For Cine Ventlite Reflector

1000-watt	115-volt	T-20 C Clear, etched spot	8.25

For Studio Ventlite Reflector

1000-watt	115-volt	PS-52 Photo Blue, etched spot	8.25

Natural Glass Carbon Lamps

Furnished in three colors: Ruby, Amber and Canary.

10, 20, 30 and 60 Watt, Plain, each	$0.60
10, 20, 30 and 60 Watt, Frosted, each	.65

Carbons for Arc Lights

National White Flame Cored Carbons

	Dozen	100
6 mm. x 6 in.	$1.55	$10.90
5/16 in. or 8 mm. x 12 in.	2.70	18.75
3/8 in. or 10 mm. x 4 in.	.95	6.00
3/8 in. or 10 mm. x 12 in. or 305 mm	1.90	13.00
½ in. x 4 in.	1.20	7.90
½ in. x 12 in.	2.25	15.75

National Projector Carbons

6.4 mm. x 6 inch	$0.95	$6.25
8 mm. x 6 inch	.95	6.25

Enclosed Arc Carbons

3/8x12-inch Solid	$1.55	$11.25
3/8x12-inch Cored	1.75	13.15
½x12-inch Solid	1.65	11.55
½x12-inch Cored	1.70	12.70

National Panchromatic Carbons

6 mm. x 6 inch	$1.55	$10.90
5/16 inch or 8 mm. x 12 inch	2.70	18.75
3/8 inch or 10 mm. x 4 inch	1.00	6.60
3/8 in. or 10 mm. x 12 in. or 305 mm.	2.05	14.25
½ in. x 4 inch	1.25	8.60
½ inch x 12 inch	2.50	17.50

Cooper Hewitt Lamps

For years, Cooper Hewitt lighting apparatus has held a high place in the photographic field. High actinic value, softness and wide diffusion, lack of glare and uniformity combined with coolness in operation and extremely low current consumption have made for them an enviable reputation.

There are two methods used to obtain a flexible lighting system. One is to use portable floor stands and the other is to install a number of fixed units about the studio which may be used individually or collectively as the individual picture may require.

Cooper Hewitt Fixed Units

The Fixed Unit System keeps the studio floor clear of bulky apparatus and it eliminates the necessity of moving lighting devices into and out of position. Large studios can be fully lighted with Flexible Units so that there need be very little apparatus on the floor.

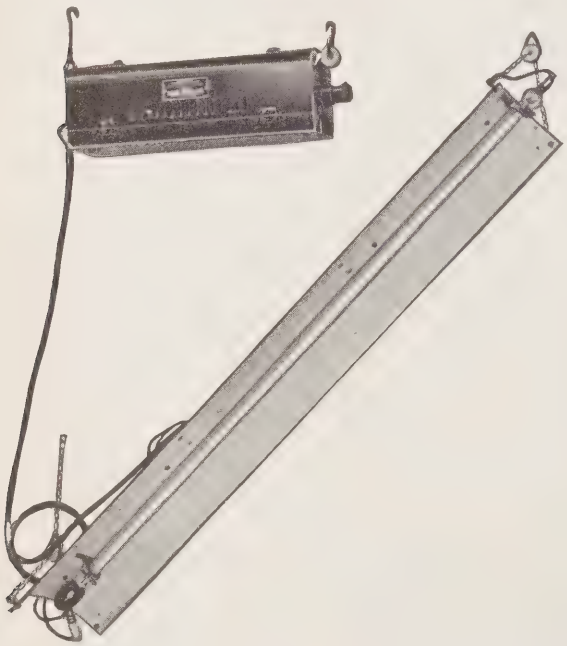


Illustration No. 1
Offset Type—Used For Side Lighting
Reflectors Can Be Hung at Any Angle

Two types of Units are particularly popular in this system of lighting. One is the Offset Type, (shown in illustration No. 1). In this type the tube and reflector are detachable from the auxiliary and can be hung in any angle or position desired.

Cooper Hewitt Fixed Units—Cont'd

The other Unit is the ceiling Type (shown in illustration No. 2). This type can be hung at any angle and, in addition, the reflector can be rotated to throw the light directly to either side.

Illustration No. 2
Used For General Overhead Lighting

In ordering specify type of reflector desired: Offset curved or Offset flat; or Ceiling curved or Ceiling flat.

PRICES

Fixed Units, complete as shown with straight 50-inch tube, Offset or Ceiling type:—

Alternating Current	$57.00
Direct Current	51.00
Renewal tubes—50-inch, A.C. or D.C.	16.00

Cooper Hewitt "M" Tube Unit

Designed for enlarging and for studio work. The shape of the tube concentrates the light behind the negative and with a sheet of opal glass or two sheets of ground glass gives perfect diffusion for negatives up to 8x10 inches. This unit does not require condensing lenses. Size overall 18½x14¼x5¼ inches. Light source 10½ inches.

PRICES

	A.C.	D.C.
Complete with Stand	$133.50	$118.50
Complete without Stand	106.00	91.00
Renewal "M" Tube	28.50	27.50

IMPORTANT—When ordering complete units or extra tubes, specify: Current, Direct or Alternating; Voltage; and Cycles if Alternating Current is used.

Cooper Hewitt Two Tube Unit

This unit is attractive in appearance, flexible in adjustment and provides for excellent control of light.

The reflector may be adjusted and held in any position from horizontal to vertical. The automatically balanced tilting mechanism makes possible rapid and easy adjustment.

The reflectors and tilting mechanism are mounted on an adjustable shaft which permits the center of the tubes to be set anywhere from four feet to six feet and a quarter from the floor when the reflector is set 45° with the floor. This gives a height of 7½ feet at the top of the tube. With the tube vertical a maximum of 8½ feet can be obtained.

PRICES

Complete:	
A.C.	$190.50
D.C.	175.50
Renewal Tubes—	
Straight 50-Inch, A.C. or D.C.	16.00

Cooper Hewitt Single-Tube Unit

For general lighting in the studio, this unit will be found very satisfactory. It possesses the same fine appearance and as in the Two-Tube Unit, the reflector may be adjusted and held in any position from horizontal to vertical. The automatically balanced tilting mechanism makes possible rapid and easy adjustment.

The reflector and tilting mechanism is mounted on an adjustable shaft and allows the same heights and adjustments as the Two-Tube Unit.

The rubber tired, ball bearing castors assure ease in moving the light to the correct position.

PRICES

Complete:	
A.C.	$111.50
D.C.	96.50
Renewal Tubes—	
Straight 50-Inch, A.C. or D.C.	16.00

Cooper Hewitt Double "U" Tube Unit

This model makes an excellent addition to any studio. The concentrated light from the "U" shaped tubes makes it desirable for portraiture, title work or enlarging.

The reflector tube holders are mounted on automatically balanced tilting mechanisms which make adjustment for the tube position easy and rapid. The reflector is forward tilting and can be set from horizontal to vertical.

PRICES

	A.C.	D.C.
Complete with Stand	$205.00	$190.00
Complete without Stand	180.00	165.00
Renewal "U" Tube	26.00	25.00

Cooper Hewitt Single "U" Tube Unit

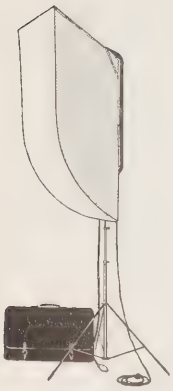
These units are designed for lighting copy boards, title and animation work; small objects to be photographed and for printing, enlarging, etc. For copy work the outfits are arranged in pairs, one on each side of the camera. For animation work, printing and enlarging the units may be used without the stand if placed on a shelf or table or suspended above the animation board. With the stand, however, the units can be more readily moved about the workshop.

	A.C.	D.C.
Complete on Stand	$132.50	$117.50
Complete Offset	102.50	87.50
Renewal "U" Tube	26.00	25.00

IMPORTANT—When ordering complete units or extra tubes, specify: Current, Direct or Alternating; Voltage; and Cycles if Alternating Current is used.

All Prices on Cooper Hewitt Products F.O.B. Los Angeles, Calif.

Halldorson Giant Portrait Flash Lamp



The desirable feature in this lamp is the great size of the bag for firing charges as large as ⅓ of an ounce of powder.

When folded for carrying, it is contained in a canvas portfolio, 27 inches long, 16 inches high and about 2½ inches thick.

The cloth on the sides and top are opaque so that all the light is directed forward and diffused in passing through the sky-cloth. A plunger-drive friction igniter is attached to the pan and is released simultaneously with shutter by a two-way bulb. It is electrically wired for receiving proof-lights to use in testing the appearance of the flash upon the subject.

PRICES

Complete	$55.00
Renewal Bag	12.00

Halldorson Home Portrait Flash Lamp

This lamp is compact, convenient and exactly suited for home portraiture. The sides and top are opaque.

Complete it folds into a fabrikoid case 24x16x3 inches. The extreme height is 10 feet, the sky-cloth measures 24x42 inches. It is wired for proof-lights which are used to test the position and effect of the light.

Furnished in two styles, No. 2 with friction igniter and No. 3 with electric ignition; fired simultaneously with shutter by means of a two-way bulb; capacity 60 grains of powder.

Friction Igniter No. 2

Employs the friction spark method of ignition. Two of these come as regular equipment with No. 2 outfit.

PRICES

Flash Lamp No. 3, complete with Electric Ignition	$55.00
Flash Lamp No. 2, including two Friction Igniters	45.00
Electric Igniter only, with Socket for fitting to regular No. 2 Outfit	25.00
Renewal Bag	6.50
Extra Friction Igniters, each	7.00

Halldorson Series of Banquet Bags

These bags are used for photographing banquets or large assemblages indoors. They may be hung from suitable wall brackets or balconies.

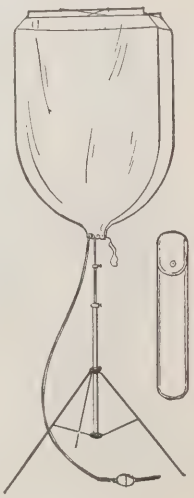
They are set off from the regular light current by means of fuses that blow when the switch turns on the electric current. The bags are of white, flame-proof cloth and may be purchased as single units or in series of any number. Made in two sizes, regular 32x32x65 inches; giant, 40x40x72 inches.

Each unit is supplied with 25 feet of main line wire, so that bags may be spaced 25 feet apart and 25 feet from electric outlet. Each bag is separable from main line cord by means of connector.

PRICES

Regular, first unit	$25.00
Additional units	22.50
Giant, first unit	27.50
Additional units	25.00
The above may be ordered with stands, additional per unit	10.00
Extra Fuses, per dozen	.20
Renewal Bags, Regular	9.50
Giant size	12.00

Halldorson Banquet Bag Outfit

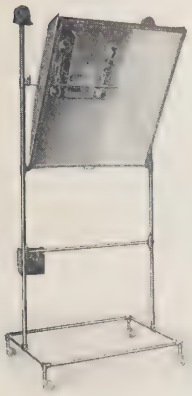


The Halldorson Banquet Bag Outfit is a complete unit, entirely under the control of one man. It is furnished completely with a folding collapsible stand and a friction igniter. This friction igniter which employs the friction spark method of ignition is illustrated above. A compact carrying case is provided.

PRICES

Regular, 32x32x65 inches	$30.00
Giant size, 40x40x72 inches	32.50

Victor All Metal Flash Cabinet



The All Metal Flash Cabinet assures uniform exposures and better negatives. The subject is in a soft natural light, except for the fraction of a second during which the exposure is being made.

The Cabinet is fitted with electric lamps to correct the effect of the lighting and for focusing. Extremely small amounts of powder are used (3 to 8 grains). The light is properly diffused by the translucent front of the cabinet which is 36x42 inches. The Cabinet is easily raised or lowered and is held by means of balances.

The smoke in the cabinet is continuously condensing into ash and does not interfere in the least with the illumination produced by the succeeding flash. For the sake of cleanliness however it is desirable to dispose of the smoke. This may be done with the attachments listed.

PRICES

Complete Cabinet	$170.00
Vacuum Smoke Condensing Attachment, 110-Volt Universal (A.C. and D.C.) complete with Motor, Bag and Connections	30.00
Flexible Smoke Pipe (for carrying smoke into a chimney, where this method is desired instead of the electric condensing system) in 8, 10, or 12-Foot Lengths, per foot	.60
Additional Porcelain Flash Pans, each	.50
Additional Tracing Cloth Fronts, 36x42, each	2.75
Renewal Rubber Air Bulb for Switch, each	.50

A 24-page illustrated, complete descriptive booklet of this Cabinet will be sent upon request.

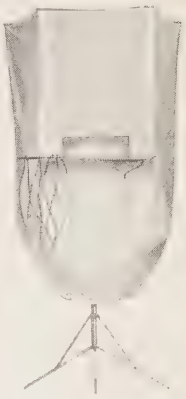
Improved Automatic Dependable Flash Lamp

A reliable and convenient means of firing the amount of powder which is required for small groups and interiors. This lamp automatically engages the firing spring and after the cap is placed is always ready for firing by pulling down the ring. Handle detaches from the pan making it very compact for carrying.

PRICES

No. 1—10-inch Pan, with 50 Caps	$1.25
No. 2—15-inch Pan, with 50 Caps	1.75
Victor Paper Ignition Caps, per box of 50	.10

Victor Portable Flash Lamp



These lamps are well constructed and light in weight. It takes but a minute to set them up or take them down. They may be hung from any overhead support, or can be supported to any height up to 15 feet by means of the Telescopic Supporting Standard. There are two styles of ignition, the electric fuse system or the paper percussion cap system. In the latter case the firing plunger is released by air pressure so that it is possible to operate the flash and camera shutter at the same time. With the electric system it is possible to arrange a series of bags for photographing large assemblies.

PRICES

Bag and one Flash Pan complete (for hanging, with either cap or electric igniter, without standard or carrying case, weight 8 lbs.)	$24.00
Telescopic Supporting Standard (weight 5½ lbs.)	10.00
Carrying Case, of strong fibre, to hold one complete outfit (weight 4¾ lbs.)	6.00
Same for 2 complete outfits (weight 6½ lbs.)	8.00
Same for 3 complete outfits (weight 8 lbs.)	10.00
Extra Flash Pans, either cap or electric, each	7.00
Extra Fuses, per package of 50	.50
Paper Caps, per box of 50	.10
Complete Outfit, consisting of Bag and one Flash Pan, Standard, Carrying Case, and package of Electric Fuses or five boxes of Paper Caps	40.00

The Clergy Shur-Fire Flash Gun

The Clergy Flash Gun eliminates all uncertainty of action as it is carefully made and tested.

A pull on the trigger means positive action. The special made primers assure the flash when needed.

An auxiliary flash pan 14 inches in length has been designed and built to accommodate the class of photographic work that requires a much greater illumination than the standard size pan is capable of producing.

PRICES

Flash Gun only	$18.00
14-inch Auxiliary Flash Pan, extra	3.50
Primers, per box of 100	1.00

NOTE—Primers must be shipped by express.

Victor Electric Flash Lamp

This lamp operates on 110-volt circuit, or may be worked on a 6-volt (or larger) storage battery. The ignition is caused by the burning out of a small metallic fuse.

Large interiors may be satisfactorily illuminated as any number of these lamps may be connected in series and fired simultaneously. The flash pan is 1¾x15 inches and made of light non-rusting metal. The lamp is made for use in the hand or supported on a stand. The lamp handle is 22 inches long. The stand, made in five sections, will elevate the lamp 9 feet.

PRICES

Flash Lamp for hand use with Handle, 25 Feet of Wire with Switch and Swivel Attachment Plug, and 50 Fuses	$7.50
Polished Nickel-Plated Seamless Brass Telescopic Supporting Stand	6.00
Extra Fuses, package of 50	.50

Victor Flash Powder

EXTRA FAST (*Yellow Label*) is a very fast burning powder for photographing unusually active subjects. It is a trifle lower in illuminating quality and makes a somewhat louder report than the Normal Grade.

SOFT GRADE (*Blue Label*) is the highest in illuminating quality and makes almost no smoke or report. It is, however, slow burning and therefore only suitable for commercial work and interiors without life.

PORTRAIT GRADE (*White Label*) is very high in illuminating quality, makes but little smoke and very little report. In amounts less than 40 grains if ignited by an extremely hot electric jump spark it will burn rapidly enough to prevent registering ordinary movements of subjects. Under conditions other than above it burns a little too slowly for animate subjects.

NORMAL GRADE is always supplied unless other grades are specified.

All grades are put up in corked glass bottles which keep them in perfect condition indefinitely.

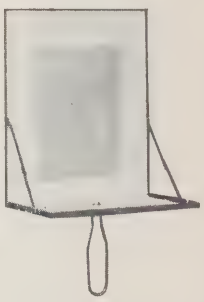
Each bottle is enclosed in the fibre can required by the new I. C. C. Regulations.

PRICES

½ ounce, net weight, per bottle	$0.55
1 ounce, net weight, per bottle	.90
2 ounces, net weight, per bottle	1.70

All three sizes put up twelve in a carton.

Kodak Flash Sheet Holder



The use of Kodak Flash Sheets in this Holder offers a very simple and dependable method of making pictures by flashlight.

The holder is held in the hand, a flash sheet pinned to the rear wall of holder and ignition is obtained through the small opening shown in illustration.

Kodak Flash Sheet Holder	$1.25

Flash Sheets

No. 1, per package of 6—3x4	$0.35
No. 2, per package of 6—4x5	.56
No. 3, per package of 6—5x7	.84

Caywood Regular Flash Lamp

Has a 4-inch detachable pan, and a leatherette guard, which will permit the use with safety of as much as 60 grains of Victor Flash Powder. Lamp is only 8 inches long and weighs but a few ounces.

Price $1.75

Caywood Extension Flash Lamp

This model is the same as the Regular Model except that it has a folding extension handle which increases the distance from your hand to the flash pan, thereby permitting the use of as much as 75 grains of Victor Flash Powder. The lamp with handle folded is only 9 inches long.

Price $2.25

Caywood Commercial Flash Lamp

This model has a flash pan 13 inches long. It has a three-section telescopic steel tubing handle which when fully extended puts the flash pan 40 inches from your hand. But when desired only one or two of the telescopic sections need be extended. This lamp is of ample capacity to take the maximum charge of Victor Flash Powder which should be used in a hand held lamp (150 grains).

Price $4.50

Crown Flash Lamp

The Crown is a professional lamp for burning pure magnesium only, has a large wick for alcohol and a 24-inch rubber blow tube. The stem of the lamp holds the magnesium powder. The lamp is finished in dull nickel with black base $3.25

Actino Cartridge Holder

A compact convenient means of firing flash cartridges to best advantage. The flash cartridge is placed on the small platform and the fuse sticks out in back of the aluminum reflector.

Price $0.50

Actino Flash Cartridges

The No. 12 Actino Cartridges illuminate fully a 12-foot room.
Price per box of 6 . . . . . $0.45

The No. 18 Actino Cartridges illuminate fully an 18-foot room.
Price per box of 6 . . . . . $0.60

The No. 30 Actino Cartridges illuminate fully a 30-foot room.
Price per box of 6 . . . . . $0.80

Eastman Flash Cartridges

No. 1, package of 6	$1.25
No. 2, package of 6	.80
No. 3, package of 6	.50

Eastman Spreader Flash Cartridges

With Fuses and Caps, package of 6 . . $0.60

Flash Sundries

Caywood Friction Wheels, per set	$0.20
Caywood Spark Metals, each	.10
Halldorson Fuses, package of 12	.20
Halldorson Spark Metals (2)	.25
Victor Caps, package of 50	.10
Victor Fuses, package of 50	.50

Glassine (Open-End) Enclosures

These enclosures make ideal negative preservers. They are translucent and the negative may be viewed by holding against the light and without removing it from the envelope.

	100	1000
5¼x 7⅝	$0.75	$ 6.00
8⅛x10⅜	1.00	9.80
11½x14½	2.25	18.00

Kraft (Open-End) Envelopes

Heavy Weight—Not Printed

These envelopes are well made and furnish a fine medium for sending finished portraits or proofs to your customers.

	100	1000
4 x 6¼	$0.35	$3.00
4⅝x 6¾	.40	3.90
5½x 7½	.45	4.30
5¼x 8	.50	4.75
7 x 9	.80	7.50
8½x10½	1.00	9.10
10½x12½	1.40	13.00
11½x14½	1.60	15.00

Manila (Open-End) Envelopes

For the photographer who prefers a Manila envelope, these envelopes will exactly fill the bill. They are made from good quality stock and supplied in every desirable size.

—Not Printed	100	1000	—Not Printed	100	1000
4 x 6¼	$0.25	$2.00	8½x10½	$0.90	$8.00
5½x 7½	.40	3.25	10½x12½	1.35	12.00
6½x 9½	.45	3.50	11½x14½	1.65	14.00
6¾x 9	.50	4.00	12½x15½	2.15	21.00
7½x10½	.50	4.50	14½x17½	3.00	27.00
7 x11	.60	6.00			

Proof Envelopes (4⅛x6⅛)

These Proof Envelopes measure 4⅛x6⅛ inches and are furnished in good quality Kraft or Red Mandarin stock. Both Open-end and Open-side styles are listed.

	100	1000
No. 7 O. E. Kraft	$0.40	$2.85
No. 7 O. S. Kraft	.45	3.90
No. 7 O. E. Mandarin (Red)	.45	3.90
No. 7 O. S. Mandarin (Red)	.50	4.50

Manila (Open-End) Negative Preservers

Heavy Weight—Printed

Made from heavy Manila stock these preservers will be found useful in every studio. They are printed in black with the following information table in the corner:

No.	
Name	
Order	
Remarks	
Retouched	
Order Finished	
Re-order	
Re-order	

For Film or Plate	100	1000
3¼x 4¼	$0.30	$ 2.50
3¼x 5½	.35	2.90
4 x 5	.35	2.90
5 x 7	.45	3.85
5 x 8	.45	3.90
6½x 8½	.50	4.25
8 x10	.75	7.00
7 x11	1.50	12.00
10 x12	1.50	12.00
11 x14	1.75	14.00
14 x17	3.00	25.00

Open-End Post Card Envelopes

Medium Weight—Not Printed

	100	1000
No. 6¾ Kraft Post Card Envelopes, 3⅝x6½ inches	$0.35	$2.90
No. 6¾ Manila Post Card Envelopes, 3⅝x6½ inches	.30	2.50

Kraft (Open-End) Negative Preservers

Heavy Weight—Not Printed

Splendid negative preservers for filing X-ray and other negatives. They are substantial and give full protection as well as affording an easy method of filing.

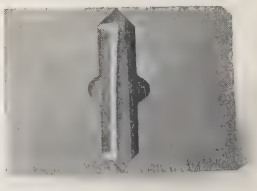
On special order, these negative preservers may be obtained with whatever printed data is required by the X-ray operator or the photographer. Prices for special printing will be furnished on request.

	100	1000
8x10	$0.90	$9.10
10x12	1.65	15.00
11x14	1.85	16.50
14x17	2.45	26.00

Majestic Two-Pocket Photo Finishing Delivery Envelopes

Well designed, stoutly made two-pocket envelopes of brown Kraft paper are offered for delivering films and prints.

Unprinted	1000
1000 lots	$6.50
2500 lots	6.00
5000 lots	5.50



4¼x6½

Majestic Two-Pocket Photo Finishing Delivery Envelopes

IN QUANTITY LOTS PRINTED

A number of styles are available printed. Space on one side of the envelope advertises your finishing plant and the other side has spaces for recording the order. Ask our salesman to show you samples or write us for descriptions and prices in quantity lots.

Eastman Two-Pocket Photo Finishing Delivery Envelopes

A well designed stoutly made two-pocket envelope of Brown Kraft for use by finishers in delivering prints and negatives. They are supplied either with or without the following sentences printed on the inside flaps of the pockets: "*All films should be developed promptly after exposure. For the best results use Eastman Film, and let us develop it*" and "*For the best results use Eastman Film aud let us develop it promptly after exposure.*" There is no extra charge for this printing.

PRICES

Photo Finishers' Delivery Envelopes with or without printing:*

For Prints up to	Per 100	Per 1000
No. 1—3¼x4¼	$0.85	$ 7.00
No. 2—4 x6	1.00	9.00
No. 3—5 x7	1.35	12.50

**In ordering, please specify which is wanted.*

Protecto Photo Mailers

These envelopes furnish the safest and best medium for mailing photographs and prints. Customers who have photographs to mail to out-of-town points need them and a supply should be in sight in your reception room.

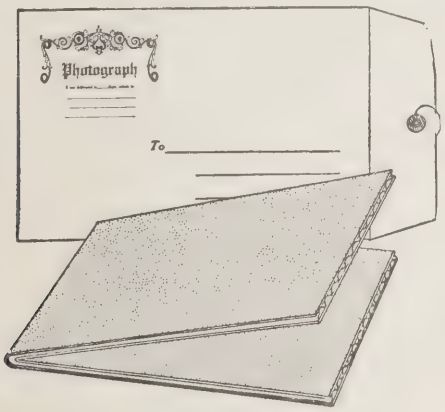
All sizes, 25 in box excepting the G size which is packed 12 in box.

Style	For Prints up to	Per Dozen	25 in Box	Per 100
A	5¾x 7¾	$0.60	$1.20	$4.50
B	6 x 9	.70	1.40	5.50
C	7 x11	.90	1.80	7.00
D	8 x10	.90	1.80	7.00
E	9½x12½	1.10	2.15	8.50
F	12 x14	1.40	2.80	11.00
G	12 x17	2.35	....	18.50

Majestic Photo Mailers

Made of good quality Kraft stock and supplied with string for fastening. A fold-over juteboard lining protects the prints.

Packed 25 to the box in all sizes.



Number	Size of Boards	Size of Envelopes	Doz.	25	100
68	5 x 7⅜	6 x 8	$0.65	$1.20	$3.25
711	6½x10¼	7¼x11	.85	1.65	4.00
812	7¼x11⅜	8 x12	.95	1.85	4.50
911	8¼x10⅜	9 x11	.95	1.85	4.60
912	8¼x11¼	9 x12	1.05	2.00	5.00
913	8¼x12⅜	9 x13	1.05	2.00	5.00
1013	9½x12½	10¾x13¼	1.35	2.50	5.50
1315	12½x14¾	13¼x15¾	1.75	3.25	7.00
1518	14⅛x17⅜	15 x18	2.00	3.85	10.00
1721	16¼x20	17 x21	2.40	4.70	14.00

10% Discount on 1000 lots assorted.

Enlargement Envelopes

Strong Kraft envelopes furnished in four sizes covering the most popular enlargements. They are printed in one color, black, and the design shown below is used in upper right hand corner. Printed prices include printing in of your name and address.

ENLARGEMENT
BY
HYLAND STUDIO
1432 SURF STREET
CHICAGO, ILL.

PRICE PER 100, PRINTED

E-1, 8½x10½	$2.20
E-2, 7 x11	1.95
E-3, 10½x12½	2.50
E-4, 11½x14½	2.60

PRICE PER 100, UNPRINTED

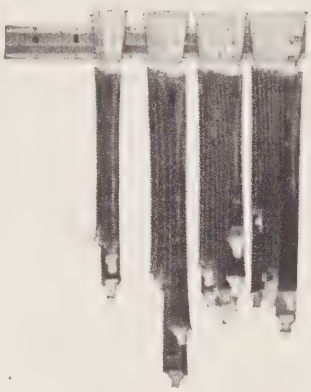
E-1, 8½x10½	$0.90
E-2, 7 x11	.60
E-3, 10½x12½	1.35
E-4, 11½x14½	1.65

Safety Photo Mailer

The Safety Photo Mailer consists of a stout tension envelope with patented lock seal and a strong, double fold of corrugated board.

A—for 5x7 or smaller prints, per 100	$ 9.00
B—for 9⅜x11⅜ or smaller prints, per 100	15.00
C—for 11⅞x13⅛ or smaller prints, per 100	17.50
D—for 12⅝x15⅝ or smaller prints, per 100	25.00
E—for 17¼x20¼ or smaller prints, per 100	35.00

Pako Multiple Roll Hanger



A fast-loading hanger that keeps Film and Order together through developing, washing and drying. Handles 10 or 18 rolls as easily as a single roll. Cuts dark room labor and time—relieves congestion.

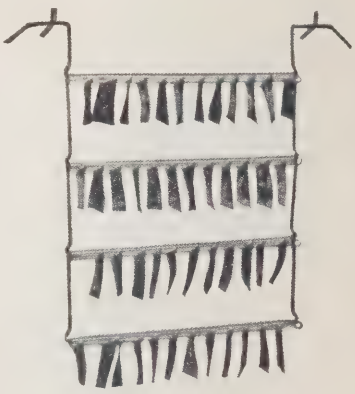
A practical means of handling summer rush. The cost of Pako Hanger capacity is only 30c per roll, whether you want 10-Roll Hangers for 12-inch tanks, or 18-Roll Hangers for 21-inch tanks.

PRICES

No. 10 Roll Hanger—10 units for 12-inch tanks	$ 3.00
Outfit A—50-Roll Capacity—5 No. 10 Hangers and 2 Wall Brackets for loading	15.00
No. 18 Roll Hanger—18 units for 21-inch tanks	5.40
Outfit B—90-Roll Capacity—5 No. 18 Hangers and 2 Wall Brackets for loading	27.00
Wall Rack, for holding the hangers while films are drying, each	.75
Extra units, including plate and film clip	.30

Special Size Hanger to fit any size tank can be furnished to order.

Dye (Pako) Film Pack Hanger



Handles Film Packs with exactly the same advantages as the Pako Multiple Roll Hanger.

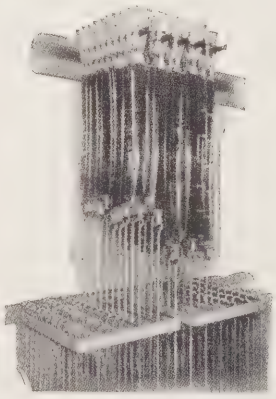
Easily loaded and unloaded—adaptable to any size of finishing plant or studio. Made in 3 sizes for tanks of various dimensions.

No. 6—10 inches wide, 7 inches deep—6 films.
No. 12—13 inches wide, 7 inches deep—12 films.
No. 18—18½ inches wide, 7 inches deep—12 films.

PRICES

Master Hangers, No. 6 and 12, each	$1.00
Hanger Units, No. 6 and 12, each	1.00
Loading Stand, No. 6 and 12, each	1.00
Extra Needles, No. 6 and 12, each	.15
Master Hangers, No. 18, each	1.50
Hanger Units, No. 18, each	1.50
Loading Stand, No. 18, each	1.50
Extra Needles, No. 18, each	.20

Pako Multiple Weight Unit



Designed to work with Pako Multiple Roll Hangers, or any hanger of similar type. Prevents films from twisting and curling when drying. Straight films save much time in cutting, printing, and sorting.

This practical outfit which requires very little skill and practically no time to operate, has been in actual use in many photo finishing plants for some time. Results prove that it saves time and money, especially during rush seasons.

PRICES

60-Roll Capacity	$27.00
108-Roll Capacity	48.00

Pako Clips

A heavy, strong clip, designed to give long service. Has extra large jaw opening and extra wide jaws—easy loading. Ideal for bottom weight in tank development.

Pako Clips, per dozen	$ 1.25
Pako Clips, per gross	12.00

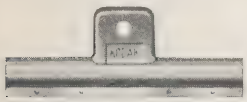
Pako Weight Rings

Weight Ring holds ten and twelve exposure rolls down when doubled in tanks. Made of long wearing metal.

PRICES

Gross	$25.00
Dozen	2.25

Eastman Film Developing Clips



For suspending roll films during the finishing process. Has a strong grip. Made of brass, heavily nickel-plated and practically indestructible.

	3¼ in.	5 in.
Per pair	$0.30	$0.40

Kodak Film Clip

A photo finisher's clip made of incorrodible metal. Is two inches wide with two sets of jaws that take a bull-dog grip on the film. The water readily drains from the clip, it does not corrode, it retains its gripping strength.

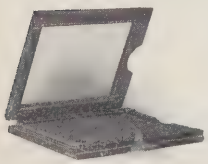
Price, each $0.30

Kodak Junior Film Clip No. 1

Made of incorrodible metal, somewhat smaller and lighter than the Kodak Film Clip, but thoroughly practical and convenient especially for the smaller sizes of films. It has a convenient hooked slot for hanging, is $1\frac{3}{16}$ inches wide and has two teeth that firmly grip the film.

Each $0.15

Eastman Film Loading Fixtures



Practically automatic in action. The No. 2 illustrated is for loading Eastman Professional Film in Eastman Film Developing Hanger, No. 2, while the one size of the No. 4 Fixture may be used for loading all No. 4 Eastman film hangers.

Eastman Film Loading Fixture No. 2:

4¼x6½	$2.50	6½x 8½	$2.75
4¾x6½	2.50	8 x10	2.75
5 x7	2.50	7 x11	2.75
5 x8	2.75		

Eastman Film Loading Fixture No. 4 . . . . . 2.00

Eastman Film Hanger

For suspending roll film Pack Developing Hangers in deep tanks as shown in illustration. Made of incorrodible metal. No. 1 is for the 8-inch tank, No. 2 for 10-inch tank, No. 3 for 12-inch tank, No. 4 for 11-inch tank, and No. 5 for 9½-inch tank.

Eastman Film Hangers, each . . $0.35

Film Pack Developing Hanger

To all finishing departments employing the vertical tank system, this hanger proves indispensable. Each accommodates an entire Film Pack, the twelve films being fastened to the clips as shown in the above illustration. For hanging it is doubled over the Eastman Film Hanger by means of a hinge in the center.

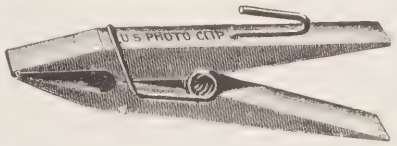
Film Pack Developing Hanger, for twelve films . . $1.50
Extra Clips for Hangers, per dozen 90

Core Plate Developing Rack

For use with dry plates only. May be used in any developing box of suitable size. Made of incorrodible metal.

Plate Size	Top Bar (inches)	
5 x 7	9⅜	.60
8 x10	12⅜	.75
7 x11	16	.75
10 x12	16	1.40
8 x10		
11 x14	16	1.75
14 x17		

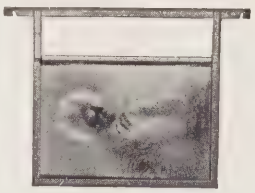
U. S. Photo Clips



Wooden clips made with a German silver hook so that the clip may be hung holding an object in its jaws.

One dozen $0.35
One gross 3.50

Eastman Film Developing Hangers Nos. 4, 3 and 2



No. 4

These metal hangers remove the necessity for hanging the wet films and insure better and cleaner results.

No. 4 is most simple and convenient. The film slides through side channels into an end channel and is held in place by the hinged top. No clips are used and the film may be developed, fixed, washed and dried without removing it from the hanger.

No. 2

No. 3 is provided with an extra long cross-bar (16-inch) for use in developing all sizes of X-Ray film in deep tanks.

No. 2 is for professional film. The film is attached by hand to four metal clips at the corners or it may be loaded automatically by the use of the Film Loading Fixture shown on page 65.

	No. 4	No. 3	No. 2
4¼x 6½	$0.60	....	$0.60
4¾x 6½	.60	....	.60
5 x 7	.60	$0.75	.60
5 x 8	.75	....	.75
6½x 8½	.75	.85	.75
8 x10	.75	1.25	.75
7 x11	.75	....	.75
10 x12	....	1.50	1.00
11 x14	....	1.75	1.35
14 x17	....	2.00	....
Extra Clips for Film Developing Hangers, Nos. 2 and 3, each			.05

Celluloid

Best grade celluloid selected especially for photographic use.

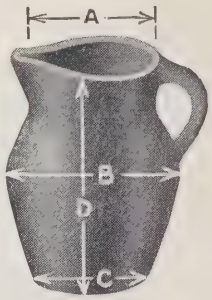
Clear

Clear, 20x50 inches:	
5/1000-inch thick, one sheet	$1.00
10/1000-inch thick, one sheet	1.50
15/1000-inch thick, one sheet	2.25
20/1000-inch thick, one sheet	3.00

Ground

Ground, 20x50 inches:	
10/1000-inch thick, one sheet	$2.20
20/1000-inch thick, one sheet	4.00
½ Sheet, 20x25 inches:	
10/1000-inch thick, Ground	$1.25
10/1000-inch thick, Clear	.90

Stoneware Acid Pitchers



These Acid Pitchers are made of guaranteed acid-proof chemical stoneware, are strong and rugged—with long pouring lips and well fitted handles.

Size	Weight (Lbs.)	Price
2 Qts.	3½	$1.20
1 Gal.	7	1.40
2 Gal.	8	2.10

Orange and Ruby Fabric

Good, stout fabric, especially selected as to color. For covering dark room windows or lights. In ordering please state whether orange or ruby fabric is wanted.

Per yard, 36 inches wide $1.00

Eastman Orange and Ruby Glass

For dark room use. Of first quality stock, and correct in color. In ordering please state whether orange or ruby glass is wanted.

3¼x4¼	$0.15	5 x8	$0.30	8x10	$0.35
4 x5	.15	6½x8½	.30	10x12	.50
5 x7	.20	7 x9	.35	11x14	.65

Silk Bolting Cloth

A fine cloth for diffusing in projection printing. Furnished in two widths and in any length desired.

	Per Yard	Sheets 18x20 in.
No. 1, Fine Mesh, 40 inches wide	$8.50	$2.65
No. 2, Medium mesh, 40 inches wide	7.50	2.50

On orders for less than one yard (except the 18x20 sheets) add 25c list, to cover cost of packing.

Tracing Cloth

This cloth may be used for two purposes—to convey designs from one bit of work to another or used as a diffusing medium. Placed before the source of illumination, only a fine quality of diffused light comes through. Furnished in two widths, any length.

36 inches wide, per yard	$1.20
42 inches wide, per yard	1.50

Eastman Print Paddle

A handy and practical print-room accessory. Made of hard rubber, and is therefore acid and chemical proof. Of exactly the right shape for the proper immersion of prints in the fixing bath. Length, 12 inches.

Each $0.50
Per ½ dozen 2.50

Eastman Hard Rubber Stirring Rod

Made of pure, hard rubber, molded around an aluminum wire core, they are unbreakable and also acid and chemical proof. Ten inches in length.

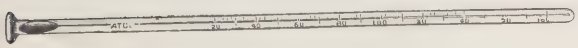
Each $0.30
Per dozen 3.00

Glass Stirring Rod

These rods are made of strong, tough glass; both ends ground smooth. Very serviceable because proof against all chemical action. Made in three lengths.

8-Inch $0.06
10-Inch 10
12-Inch 15

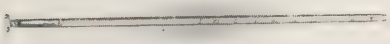
Atco Glass Stirring Rod Thermometer



A useful two-purpose article. It tells the temperature of the solution and aids to mix it.

Each $0.75

Eastman Thermometer Stirring Rod (Glass)



A combination of two workroom necessities. A solid glass stirring rod ¼ inch in diameter and 9¼ inches long, enclosing a specially tested, reliable thermometer. The liquid is black permacolor which is easily seen in the dark room. One end is flattened for crushing purposes. Packed in wooden box.

Each $1.25

Kodak Interval Timer

This Timer can be set for any number of minutes from 1 to 55 and at the expiration of that time the bell will ring its warning. It is useful for timing such operations as development, fixing and washing or for extremely long exposures.

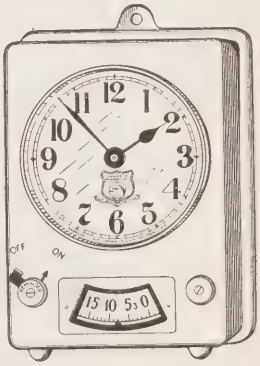
Each $4.50

Eastman Timer

The most important factor in the making of good prints is the accurate exposure of every print in the order. The Eastman Timer solves the problem. Has both minute and split-second hands which may be instantly re-set. The large and plainly marked dial is easily read in subdued light.

Each $5.00

Hawkeye Reminder



The clock may be hung flat against the wall or set on a shelf close at hand. The alarm is easily set for the desired number of minutes. It is attractive, durable and dependable.

Each $7.50

Eastman Tested Hydrometer

For assuring correctly compounded formulae only a *tested* hydrometer is of real value. The Eastman Tested Hydrometer has a novel, flat stem which allows a ready reading of the scale even in poor light.

Each $1.50
Without Jar 1.00

Eastman Tank Thermometer

Indispensable in tank development. Made with concave back to fit inside of tank, and with hook for hanging. Figures and degree marks easily read.

Each $0.90

Atco Floating Thermometer

A handy instrument for photographers. This floating thermometer is well marked and easy to read. Absolutely safe for photographic solutions.

Each $0.35

Atco Tank Thermometer

May be hung on the side of the tank by its hook. Good quality and made for photographic use.

Each $0.50

Atco Tray Thermometer

Correct temperature is easy to maintain by reading the clear figures of this thermometer. It may be fastened to the tray by its clips.

Each $0.35

Pako Pyrometer

A necessary aid to the correct temperature for dryers. It is well marked, easy to read and will endure the heat.

Each $2.25

Kan-Rite Precipitant

A 100% efficient precipitant for recovering the silver from exhausted hypo solutions.

It is inexpensive, odorless, fast-acting and easily used.

One can of five pounds will treat eighty gallons of Iypo.

Price, 5-Lb. Can $2.00

Spyco Silver Reducer

A silver recovery precipitant that insures full returns from your used Hypo solutions. It is clean and rapid to handle, requires little attention, gives off no obnoxious gasses and removes sludge from Hypo solutions in about three days' time.

9-Lb. Cans $3.50

Tin Bound Brushes

For general photographic use. Well bound to assure good service at a low price. Either bristle or camel's hair available.

	1 inch	1½ inch	2 inch	2½ inch
Bristle	$0.18	$0.25	$0.30	$0.35
Camel's Hair	.30	.40	.50	.60

Rubber Set Brushes

In process of manufacture the hairs or bristles of these brushes are seated in hard rubber and then vulcanized, preventing loosening of hairs. Both bristle and camel's hair available in sizes from 1 to 3½ inches in width.

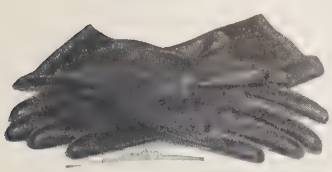
	1″	1½″	2″	2½″	3″	3½″
Bristle	$0.45	$0.65	$0.85	$0.95	$1.05	$1.30
Camel's Hair	.90	1.25	1.55	2.15	2.70	3.40

Stain-Off

Removes all stain from hands and finger nails caused by the developer or any other photographic work. Will not injure or irritate the skin or nails.

Box for $1.00

Eastman Rubber Gloves



Made of pure, seamless rubber, with pebbled surface. They are of sufficient weight for durability but are thin enough to retain the operator's sense of touch. In ordering, please specify which of the five sizes is wanted: 7, 7½, 8, 8½ or 9.

Per pair $1.00

Majestic Rubber Gloves

A fine seamless rubber glove made from a high grade rubber. They afford good protection without interfering with your sense of touch.

Sizes 6 to 9, per pair $0.80
Sizes 9½ to 10, per pair 95
Sizes 10½ to 11, per pair 1.35

Rubber Finger Tips

Made of pure rubber, with reinforced ends. A practical protection for the fingers against chemical action.

Per set of 3 . . . . . $0.15

Eastman Filter Cotton

First quality cotton, prepared especially for laboratory use.

Per package . . . . . 4 oz., $0.50; 1 lb., $1.50

Excelsior Filter Cotton

A good quality cotton that may be used in the work room.

Pound package $0.65

Gray Filtering Paper

(*French Round*)

Filter paper allows only the pure liquid to pass through, straining thoroughly, whatever may be desired.

No. 19, 8-inch diameter $0.65
No. 25, 10-inch diameter 80
No. 33, 13-inch diameter 1.00
No. 40, 15-inch diameter 1.50
No. 45, 18-inch diameter 1.65
No. 50, 20-inch diameter 2.45

Eastman Laboratory Apron

This 30-inch wide apron is full cut, made of extra strong fabric, and coated with a composition that makes the fabric both water-proof and crack-proof. It will withstand the hardest dark-room and laboratory usage.

No. 1, 40-Inch $1.60
No. 2, 46-Inch 1.75
No. 3, 52-Inch 2.00

Rubber Apron

Made of first quality, heavy fabric. The base of the fabric is rubber and it is therefore water and chemical proof. 30 inches wide, three lengths.

No. 1, 40-Inch $1.60
No. 2, 46-Inch 1.75
No. 3, 52-Inch 2.00

Photographers' Smocks

For use in the studio or workroom. Smocks save and protect your clothes and are neat appearing. They are made of strong, washable material which means that they will last a long time and always look well. Furnished in sizes from 30 to 46.

Each $2.75

Poole's Stringless Apron

This apron slips over the head and is held snug at the waist by a light spring wire. It is made of light weight, water-proof, rubberized material, 40 inches long.

Each $1.75

Poole's Sleeve Protectors

Made of black rubberized material with a clasp to keep them in place. The sleeve is held tight at the wrist by an elastic band.

Price per pair $1.00

Eastman Visible Graduate

A strong and accurately moulded graduate; the graduations are opaque and thus can readily be seen under the dark room light—a distinct advantage. Has pedestal base.

2 oz.	4 oz.	8 oz.	16 oz.	32 oz.
$0.30	$0.40	$0.50	$0.80	$1.00

Engraved Graduate

This graduate is made of first quality glass. Markings are carefully engraved. Has pedestal base, easy to grasp.

1 dram	1 oz.	2 oz.	4 oz.
$0.40	$0.40	$0.40	$0.45

8 oz.	16 oz.	32 oz.
$0.55	$0.90	$1.60

Moulded Tumbler Graduate

Inexpensive yet fully reliable for all ordinary purposes. Shaped like a water glass tumbler but with lip for pouring.

2 oz.	4 oz.	8 oz.	16 oz.	32 oz.
$0.12	$0.15	$0.20	$0.30	$0.60

Enameled Steel Graduates

High quality white enamel is applied in three coats to the Graduate. Carefully formed from best sheet steel with electrically welded steel handle and large pouring lip. Accurately graduated in ounces and cubic centimeters.

No. 150—16-Ounce Graduates	$1.25
No. 170—32-Ounce Graduates	1.70

Kernel-Gritt

(The Peach-Kernel Hand Soap)

Will remove greases, paints, inks and all kinds of soil from the hands without harming the skin. It contains no injurious ingredients.

Small Can, 1½ Ounces	$0.10
Large Can, 6 Ounces	.25

Eastman Measuring Jug

Made of strong, clear glass with moulded graduations as follows: 4, 8, 12, 16, 20, 24, 28 and 32 ounces; also graduated for ½ pint and 1 pint and 1 quart. The removable top, when inverted, may be used as a funnel.

Each	$1.25

Mortars and Pestles

Just the thing to thoroughly dissolve or mix chemicals.

4-Ounce	$0.60
8-Ounce	.70
16-Ounce	1.10
32-Ounce	1.60

Fine Ground Glass

Extra quality with an even satin finish, designed strictly for photographic use.

4 x5	$0.15	10x10	$0.60	14x14	$1.50
5 x7	.20	10x12	.75	14x17	1.50
5 x8	.25	11x14	.75	16x20	2.00
6½x8½	.25	12x12	.90	17x17	1.85
8 x10	.30				

Flashed Opal Glass

A flashed glass for use as a diffusion screen. Just the right quality to afford even diffusing.

8x10	$0.60	14x14	$1.60
10x10	.70	14x17	1.80
10x12	.70	16x20	2.40
11x14	1.20	18x22	3.00

For R. B. Enlarging Camera, 11x11	1.20
No. 1 Crown Printer, 9x11	.70
No. 2 Crown Printer, 12x15½	1.80
No. 1 F. & S. Professional Printer, 9x11	.70
No. 2 F. & S. Professional Printer, 12x15½	1.80
Wratten Safelight Lamp, No. 1, 6¼x9⅞	.60

Funnels

Substantial funnels furnished in first quality plain glass.

PLAIN

PRICES	
¼ Pint	$0.40
½ Pint	.45
1 Pint	.60
1 Quart	1.00
2 Quarts	1.50
1 Gallon	2.00

Glassene Tissue

Furnished in two grades—plain for skylights and other uses—figured water silk pattern for folders and use in albums as fly-leaves.

Plain Glassene, 24x36 inches. Per dozen $0.35
Figured Glassene, 25x40 inches. Per dozen 50

Ruby and Post Office Paper

A safe covering for lights used in dark room work. Selected for quality and color. In ordering state whether Ruby or Post Office (orange colored) paper is wanted.

20x26-Inch Sheets, per dozen $0.25

Black Needle Paper

A strong black paper that may be used to cover windows in the dark room.

Size 24x36 Inches, per dozen $0.35

Cepa Paper

A tough tissue for use in vignetting or diffusing.

	Per Dozen	500 Sheets
Price, 19x24-Inch Sheets	$0.25	$7.00

Silver Tissue Paper

First quality paper suitable for photographic use.

	24 Sheets	500 Sheets
Price	$0.40	$6.00

Heavy Black Paper (Cover Stock)

May be put to various uses in the studio. It is suitable for masking, may be used to make odd sized album leaves, and as cover stock. 23x33 inches.

$0.10 a sheet; $1.00 a dozen

Century Background Brackets

These brackets furnish a base upon which to set framed backgrounds. Grooves and screw holes facilitate attaching. They are fitted with non-detachable felt casters.

Per pair $6.00

Cummins Perforators

Model No. 37

This machine perforates three large holes and a number in easily read figures. By doubling up the film and then inserting in the machine both ends are perforated at the same time. The film may then be suspended in the tank by running wires across the top of tank and through the large holes. Weight rings at the bottom of the film hold it down in the solution. The figures have a range of from 1 to 999,999.

Model No. 30

Designed to number cut film, film packs or cut roll film on the unused margin by perforating the numbers, one under the other. The numbers on the machine are indicated in white so that they may be read easily in the dark room. Quickly set for any number from 1 to 999.

Model No. 28

The purpose of this machine is to number the end only of roll film. It is a quick, reliable and permanent method of identifying films. May be used in the daylight without danger of exposure to the films. Machine is easily set for any number from 1 to 9999.

PRICES

Model No. 37 . . . . . $72.50
Model No. 30 . . . . . 65.00
Model No. 28 . . . . . 65.00

Eastman Developing and Fixing Box

(Hard Rubber)

This box may be used for either developing or fixing. Made to stand hard, continuous usage, it is proof against leakage, cracked surface and corrosion.

It has no cover but floating lids are supplied as listed below.

No. 2, for 8–5x7 Films or Plates in Eastman Film Developing Hangers or Core Plate Racks	$4.00
No. 3, for 20–5x7, 12–6½x8½ or 8x10 Films or Plates	6.00
No. 3A, for 6–6½x8½ or 8x10 Films or Plates	5.00
No. 4, for 20–5x7 or 12–7x11 Films or Plates	6.00
Hard Rubber Floating Lid, for No. 2 Box	1.20
Hard Rubber Floating Lid, for No. 3 Box	1.20

Eastman Hard Rubber Fixing Box

This box is made of heavy hard rubber, each size up to and including 8x10, holding one dozen plates, the 11x14 and 14x17 holding one-half dozen plates. The ribs are smooth-finished preventing scratches, and making the box easy to clean. A ridge at the bottom keeps the plates above any sediment that may collect.

3¼x4¼	$3.50	6½x 8½	$ 6.75
4 x5	4.00	8 x10	7.50
4¼x6½	4.50	11 x14	15.00
5 x7	5.00	14 x17	20.00

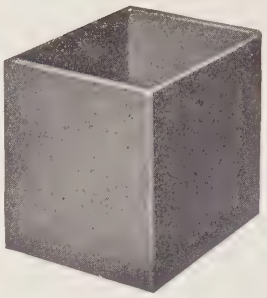
R. O. C. Hard Rubber Fixing Box

This box is provided with grooves on all four sides. Each size will take several sizes of plates. The No. 1 Box will hold twenty 3¼x 4¼, or 4¼x6½, or eleven 6½x8½ plates. The No. 2 Box will hold twenty-two 4x5, 5x7 or 5x8, or eleven 8x10 plates. A cover is supplied.

	No. 1	No. 2
R. O. C. Hard Rubber Fixing Box, with Cover	$7.50	$8.50

Majestic Stoneware Tanks

(For the Professional Photographer)



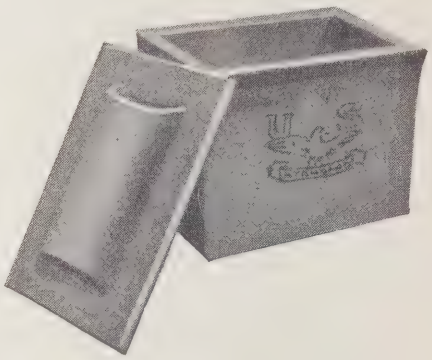
Solid stoneware tanks, constructed in one piece; leakage is impossible and under ordinary conditions they should last a lifetime. Photographers will appreciate their value, as under ordinary conditions of usage they are indestructible.

SPECIFICATIONS AND PRICES

No.	Length	Width	Depth	Price
2	7⅞	4 5/16	6⅞	$6.20
2A	10¾	7¾	6⅞	7.20
3	10¾	7¾	9⅞	7.50
3A	10¾	3¾	9⅞	6.50
4	11⅞	7¾	9½	7.50

U. S. Stoneware Tanks

(For Plates and Cut Films)



Developing tanks of acid proof stoneware made in one solid piece without joints. Vitrified and glazed. Made in suitable sizes for holding Core Plate Racks or Eastman Film Developing Hangers.

Stoneware covers for each size are furnished at one-half the cost of tanks. These covers will help considerably in keeping your solutions clean.

SPECIFICATIONS AND PRICES

No.	Length	Width	Depth	Price
2	7⅞	4 5/16	7⅞	$5.60
2A	10¾	7¾	7⅞	6.50
3	10¾	7¾	10⅛	6.75
3A	10¾	3¾	10⅛	5.60
4	11⅞	7¾	9¾	6.75

(Price includes Tank only, covers extra)

Standard Stoneware Tank

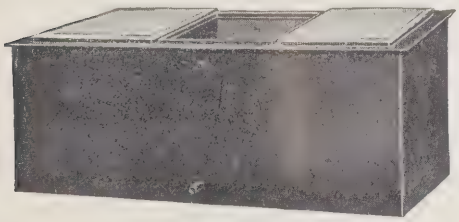
(For Developing and Fixing)

This Tank is of solid and substantial construction and is ideal for developing or fixing 5x7 and 8x10 films and plates on hangers. The inside dimensions below the hanger ledge are 10¾ inches long x 7¾ inches wide x 10⅛ inches deep.

Price $9.00

Columbian Commercial Oufit

(Steel Enameled)
(Accommodates 5x7 and 8x10 Hangers)



Made with two Tanks inclosed in Water Jacket with middle space for washing and rinsing. Combines developing, washing and rinsing, and fixing, in one unit. A most complete and compact outfit, made of highest grade enameled steel. Capacity 3½ gallons.

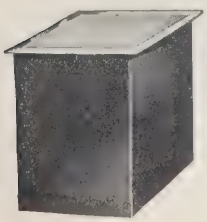
Size of Tanks 7½x10½x10½ inches deep.

Size of Water Jacket 28½x12½x11¼ inches deep.

PRICES

Complete with one Blue Lined and one White Lined Tank and Water Jacket	$27.00
Complete with two White Lined Tanks and one Water Jacket	28.50

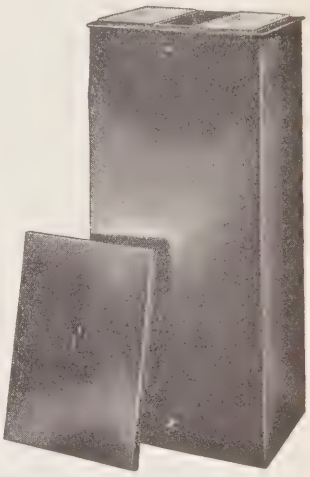
Steel Enameled Developing Tanks



These Tanks are acid-proof, built for service; of triple coated enamel. Size 7½x10½x10½ inches.

White Enameled Tanks, each	$8.25
Royal Blue Enameled Tanks, each	6.75

Columbian Photo Finishing Outfits



Columbian Outfits finished in acid-proof enamel, consists of one Water Jacket, one Developing Tank and one Fixing Tank with center compartment for washing and rinsing. Jacket is fitted with nipples for intake and overflow pipes. Circulating water on all sides of tanks assures temperature regulation. Water Jacket, Covers and outside of all tanks finished in durable Royal Blue Enamel.

No. 10—10-Gallon Outfit
(Accommodates 20 or 24 Rolls per Tank)

PRICES

Blue Lined Tank, 5x12x42 Inches, each	$12.00
White Lined Tank, 5x12x42 Inches, each	15.00
Covers for Stock Tanks, each	1.75
Water Jackets, 19½x14½x43 Inches, each . . .	36.00
Cover for Water Jacket, each	3.00

No. 17—17-Gallon Outfit
(Accommodates 30 to 45 Rolls per Tank)

PRICES

Blue Lined Tank, 8x12x42 Inches, each	$16.50
White Lined Tank, 8x12x42 Inches, each	18.00
Covers for Stock Tanks, each	2.10
Water Jackets, 28½x14½x43 Inches, each . . .	45.00
Cover for Water Jacket, each	4.50

Enameled Tanks for Columbian Outfits

Triple Coated White Enameled Tanks for No. 10 Photo Finishing Outfits—Size 5x12x42 Inches—Capacity 10 Gallons, each	$15.00
Blue Enameled Tanks for No. 10 Photo Finishing Outfits—Size 5x12x42 Inches—Capacity 10 Gallons, each	12.00
Triple Coated White Enameled Tanks for No. 17 Photo Finishing Outfits—Size 8x12x42 Inches—Capacity 17 Gallons, each	18.00
Blue Enameled Tanks for No. 17 Photo Finishing Outfits—Size 8x12x42 Inches—Capacity 17 Gallons, each	16.50

Majestic Stoneware Deep Tanks

Majestic Stoneware Deep Tanks are considered standard equipment for the photo finishing plant. They are made of solid stoneware in one piece and will not crack or corrode. Under usual conditions of work they will last indefinitely.

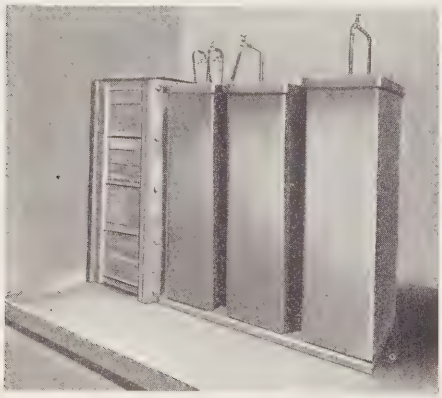


Illustration shows a battery of four Majestic Stoneware Deep Tanks installed.

Gallons	Length Inches	Width Inches	Depth Inches	Price
14	9½	8	42	$30.00
29	9½	17	42	48.00
48	20½	11¼	48¾	60.00

Stoneware Faucets fitted to outlets in any of the above tanks $6.50

The tanks can be furnished with top or bottom outlet or with both or without outlets. No extra charge for outlets.

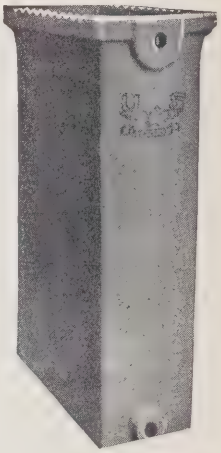
Stoneware Developer Jars

These jars will be found useful to store developer solution. They will maintain an even temperature indefinitely, assuring a uniform quality. No filtering is required because the impurities settle to the bottom of the jar below the faucet line. The cover fits snugly and prevents oxidation. The developer is always pure and ready for use.

5-gallon size	$4.50
10-gallon size	7.50
Wooden Faucet, extra	.60

U. S. Stoneware Deep Tanks

These Stoneware Deep Tanks are constructed in one piece with highly glazed finish and are practically indestructible. They are acid-proof and under ordinary usage will stand up for many years.



SPECIFICATIONS

Gallons	Length Inches	Width Inches	Depth Inches	Price
14	9½	8	42	$30.00
29	9½	17	42	48.00
48	11¼	20¼	48½	60.00

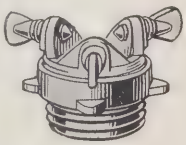
Penberthy Filordrain

This handy device is for use in filling or emptying tanks and washers. It can be attached to both hot and cold water faucets at the same time yet permits running either the hot or cold water separately when necessary.

Complete directions for use are given in the instruction sheet which accompanies each Filordrain.

(Made in one size only) $2.00

Faucet Adapter



If faucet is smooth you can convert it into a threaded faucet suitable for attaching Filordrain or ordinary hose coupling in a few seconds by using the "Penberthy" Adapter.

Converts ⅜-inch, ½-inch, ⅝-inch and ¾-inch smooth faucet into standard threaded faucet in a few seconds.

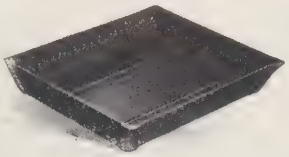
Price $0.50

Rubber Stoppers

May be used to plug up the openings of deep tanks or as stoppers for bottles. Furnished in four diameters.

No. 6, Diameter 1 Inch	$0.08
No. 7, Diameter 1⅛ Inches	.10
No. 8, Diameter 1¼ Inches	.12
No. 9, Diameter 1½ Inches	.15

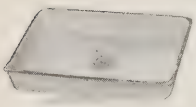
Eastman Standard Hard Rubber Trays



A tray that will stand hard usage. Made of genuine first-quality hard rubber. Extra heavy, with reinforced corners and edges.

4 x5	$1.15	8x10	$2.75	18x22	$12.00
5 x7	1.50	10x12	3.75	19x23	14.00
5 x8	1.75	12x16	5.75	21x26	18.00
6½x8½	2.25	15x19	9.50		

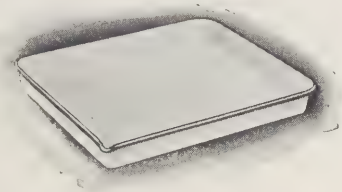
Eastman Enameled Trays



This tray is manufactured especially for photographic use and should not be confounded with inferior grades. First quality, heavy, white porcelain enamel. Made to last.

4x 6	$0.65	10x12	$1.50	18x22	$10.00
5x 7	.85	11x14	2.80	20x24	12.00
7x 9	1.10	14x17	3.60	23x28	13.50
8x10	1.25	16x20	5.00		

Angelus Steel Enameled Trays

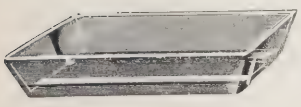


Made expressly for photographic use these trays are both acid and chemical proof. Under ordinary conditions of usage they will last indefinitely.

PRICES

4x 6	$0.50	11x14	$ 2.65
5x 7	.75	14x17	3.25
6½x 8½	1.00	16x20	4.35
8x 10	1.10	20x24	10.00
10x 12	1.45	23x28	12.00

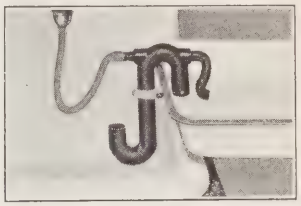
Amber Glass Trays



Made of tough amber colored glass. Good quality trays made for photographic purposes.

4 x 6	$0.35
5½x 8½	.60
7 x 9	.75
8½x10½	1.00

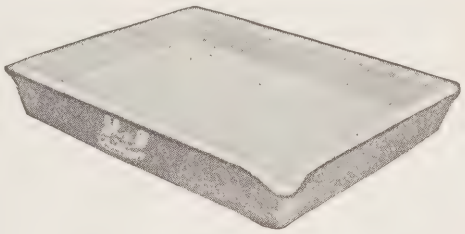
Eastman Automatic Tray Siphon



This device converts an ordinary tray into a very efficient washing machine. The siphon may be adjusted to maintain the water at any level. The water entering the tray makes a complete circuit and is siphoned out at the same speed it enters. Prints are kept in motion and the water is completely changed every few minutes. The siphon is adjustable to any tray.

Price $6.00

Stoneware Trays



These Trays are made of acid-proof chemical stoneware and with ordinary handling will last a lifetime. Stoneware Trays will neither peel nor chip and they are warranted to withstand the hot hypo-alum bath.

Size	Price
16x20	$13.00
20x24	17.00
22x28	21.00
32x36	39.00
38x42	58.00

Water Tumbler Heater

A practical small sized heating unit which can be used to bring the solution tanks and trays up to the proper temperature.

The element is inserted in copper tubing bent to afford a large heating surface, nickel plated and highly polished.

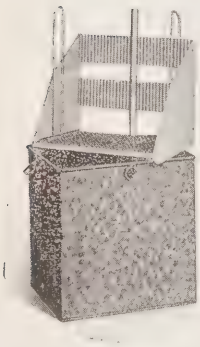
Complete with switch, cord and plug. Each..... $6.25

Eastman Portrait Film Washing Tank

A very efficient film washer. Water flows in at bottom and rises evenly through perforations in a false bottom, escaping at the top. A cross piece provides for washing both 5x7 and 8x10 films in the tank at the same time. Accommodates 18–No. 2, or 24–No. 4, Portrait Film Hangers in the 8x10 size, and 24–No. 2, or 32–No. 4, 5x7 hangers. Made of heavy sheet metal.

Price $6.00

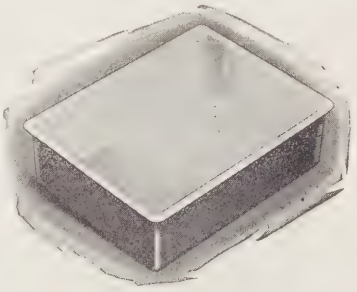
R. O. C. Negative Washer



The flow of water is through a pipe to the bottom of the tank from which point it rises evenly, flowing out at the top. The tank itself is of galvanized iron; the separate plate-holding rack is of zinc. Plates may be dried in the rack after removal from the tank.

For 25– 4x 5 plates	. .	$ 5.50
For 25– 5x 7 plates	. .	6.50
For 30– 8x10 plates	. .	8.50
For {25–14x17 / 47–11x14} plates	. .	12.00

Deep Hypo Fixing Baths Enameled Steel

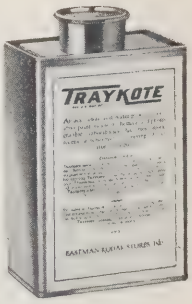


Finished with pure white acid-proof enamel inside, blue outside, these Fixing Baths are extremely durable. The pure white vitreous enamel inside is acid-proof and the tough Royal blue enamel in which the exterior is finished adds greatly to the life of the article.

MADE IN FOUR STANDARD SIZES

No.	Inside Inches	Price
126	16x20x6	$12.00
186	18x24x6	15.00
226	20x24x6	16.50
236	20x30x6	18.00

Traykote



An acid, alkali and waterproof preservative paint for use in photographic workrooms.

Indispensable for coating all kinds of trays, tanks, sinks, shelves, etc., and for painting darkroom walls and floors. Easily applied—dries quickly.

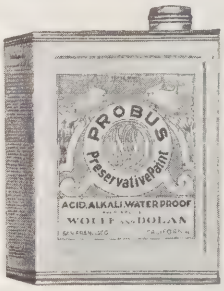
Pint	$0.75
Quart	1.25
Half Gallon	2.00
Gallon	3.50

Traykote Thinner

For thinning Traykote that has become too thick for easy application.

In Pint Cans only $0.75

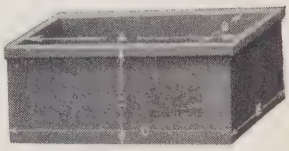
Probus Preservative Paint



Applied to wood, fibre or similar compositions, tin or iron, it renders the material proof against water, acid, alkali and rust.

½-Pint Tin	$0.45
1-Pint Tin	.80
1-Quart Tin	1.25
½-Gal. Tin	2.05
1-Gal. Tin	3.75
5-Gal. Tin	16.75

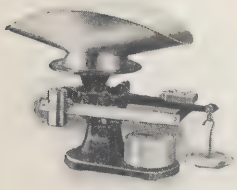
Hypo Vats



Chemical Stoneware is unaffected by hypo, and a chemical stoneware Hypo Vat, once bought, never needs replacement. With its smooth finish and rounded corners, absolute cleanliness can be permanently maintained—something impossible with wooden tubs.

Size	Inside Measurements Inches			Weight Pounds	Price
	Length	Width	Depth		
A	14	18	6	37	$19.00
B	20	24	6	65	26.00
C	24	36	6	120	39.00
D	24	30	8	135	40.00

Fairbanks Soda Scale



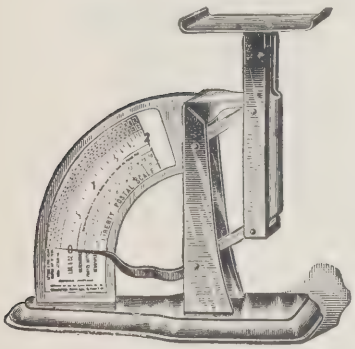
An accurate, dependable scale that will weigh from one ounce to twenty-five pounds. It is strongly constructed and will stand long usage. $11.00

C-4 Majestic Scale

Capacity is four pounds scaled into half ounces. It has a silver finished dial. Furnished with claw and highly polished tin scoop.

$3.75

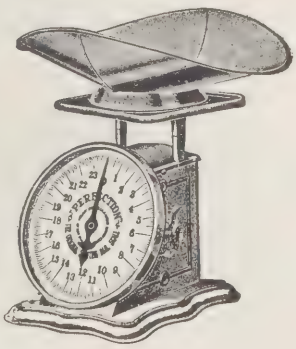
Liberty Postal Scale No. 2



The Liberty Postal Scale has a capacity of 2 pounds. It is finished in black enamel with tile platform. Automatically points to the amount of postage required.

$3.75

Perfection Scales



The T-46 is a 12-lb. scale with a plainly marked white dial protected by glass and sash. Square steel platform holds the substantial scoop.

T-46 $4.75

The T-26 is similar to the above excepting that it has a 24-lb. capacity. Both scales are finished in black enamel with well finished steel dial.

T-26 $3.75

Eastman Studio Scales

A two-pan scale of the accuracy requisite for handling photographic chemicals. Furnished with weights and markings either for the Avoirdupois or Metric System of weights.

A graduated beam with sliding weight provides for minor weights, from 1 to 50 grains avoirdupois scale and 1 to 50 decigrams metric scale.

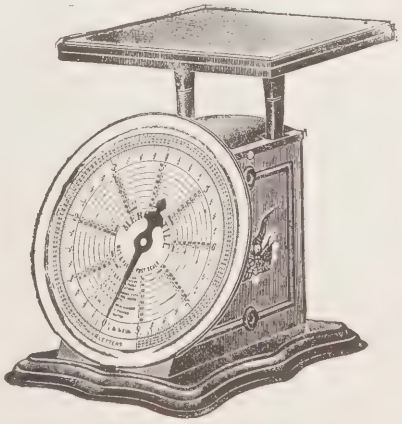
Additional metal weights to be placed in the pan are as follows: Avoirdupois 2 of 50 grains, 1 each of ¼, ½ and 1 ounce and 1 of 2 ounces; Metric 2 of 5, and 1 each of 10, 15, 30 and 60 grams.

With nickeled and black enameled metal parts and a mahogany finished base—9 inches long—these scales are as attractive in appearance as they are accurate in performance.

In ordering please specify whether the avoirdupois or the metric system scale is wanted.

Eastman Studio Scales—Avoirdupois or Metric . . $4.50
Extra Set of Weights—Avoirdupois or Metric 70

Mercantile Mail and Parcel Post Scale



Made in black enamel finish with tile platform. Shows First Class postage up to 8 pounds and Parcel Post rates up to the 8th zone.

$6.50

Kodak Service Printer

The Kodak Service Printer is a thoroughly efficient and rapid printer for the photo-finisher. It accommodates negative up to 5x7 inches singly or in the film strip, has eight masks of fixed size as well as adjustable masks and guides for white margins from $\frac{11}{16}$ to $\frac{1}{8}$ inch.

The paper clamp holds the paper as the one-piece platen descends and allows ample time for the hand to be withdrawn. The print is numbered by a rubber-surfaced metal stamp and a Veeder counter registers the number of prints made up to 99,999.

A 75 or 100-watt lamp (not supplied) give sufficient illumination, though a 150-watt may be used for extreme speed. One plain and one sand blasted ground glass are supplied for diffusion. The negative is adjusted by the aid of an orange lamp beneath the printing bed.

Brackets on either side of the printer permit its adjustment in the work table to the angle most convenient to the operator.

PRICE

Kodak Service Printer or 110-volt circuit complete except for printing lamp	$80.00
Resistance unit for adapting to 220-volt circuit	2.00
100-Watt, PS-25, Clear	.50
150-Watt, PS-25, Clear	.60
20-Watt, Amber, Clear	.60

NOTE—The printer is wired for 110 volts. If it is to be used on other than 110-volt circuit, the voltage should be specified when ordering so that the wiring for the orange light can be changed at the factory.

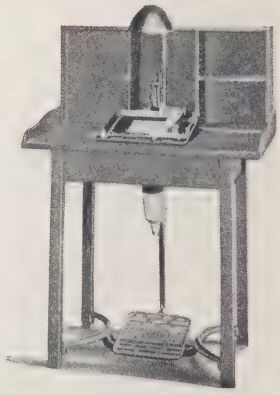
Justrite Stamp Ink

A safe ink for numbering prints. Will not wash off. 2-ounce bottle $0.50

Scientific Ink

Here is a non-penetrating ink for use on numbering devices on printers. It will not wash off or harm the solutions. 2-ounce bottle . . . $1.00

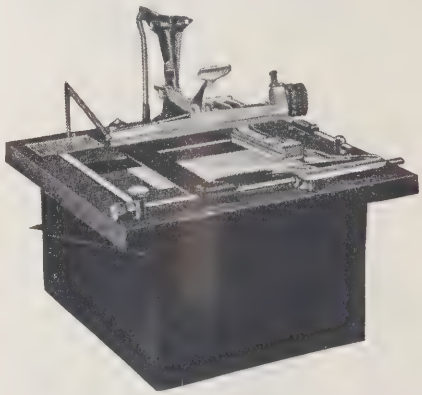
Pako Model "B" Printer



Easy to operate—maintains quality and cuts production costs. Platen is operated by foot treadle, leaving operator's hands free. Has an automatic numbering device and adjustable masks.

Price, (without lamp)	$100.00
150-Watt, PS-25, cabinet Clear.	.60
20-Watt, Amber, Clear	.60

Pako Junior Printer



Has divided platen, automatic numbering device, adjustable masks, negative holder and paper guide, and automatic printing light control.

Pako Junior Printer (without lamps)	$55.00
75-Watt, PS-22, Clear	.45
20-Watt, Amber, Clear	.60

Kodak Amateur Printer

An inexpensive printer making prints with white margins from 1⅝ x 2½ to 4x5½ inches. The masking device, which is set readily, allows for cutting out parts of film.

The box has a red bulb for adjusting negative and masks, and a socket for a 60-watt Mazda lamp. The light turns on automatically when in contact.

Price, including ruby bulb, 5½ feet of electric cord and plug, but without white light bulb $10.00

Eastman Professional Printer

The Eastman Professional Printer, operating on principles entirely new to printing devices, is a very efficient piece of workroom equipment. Its most distinctive feature is the single, concentrated light source. The light from a powerful lamp travels in almost parallel lines, giving greater printing speed and image sharpness.

The lamphouse is located in the bottom of the machine. A 1,000-watt, concentrated filament lamp is used and a reflector projects this light to a mirror, set at a 45-degree angle, and from this mirror to the printing surface.

The easily operated platen is made of two heavy pieces of red, cellulose acetate, attached to metal plates. This platen is transparent and is rubber studded to make positive contact. When the platen makes the contact with the negative, the reflecting mirror is automatically thrown into position and a mercury-tube switch lights the lamp, making the exposure.

The lamp switch may also be operated by hand. The strength of the light is controlled by a rheostat which enables the operator to vary the amount of light at will for various grades of papers or negatives of different density. The rheostat is directly back of the printer platen. When the platen is raised the mirror is thrown to the front where it covers the light opening, shutting off the afterglow of the lamp.

Beneath this mirror is a 40-watt pilot lamp covered with a sheet of amber glass. This light is used for arranging dodging material or vignettes.

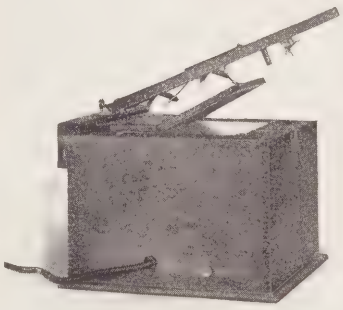
Four inches below the printing top is a second sheet of plate glass on which one may place vignettes or dodging tissue or work with a wax pencil. Four grooves on either side allow a glass with this material to be placed closer to the negative. A knob on the left of the machine drops a piece of ground glass between the light and the negative and moves it up or down for proper diffusion in making vignettes. When the platen is in contact, a cardboard vignetter may be moved about beneath the negative and the effect plainly seen through the transparent platen. The lower sheet of glass slides in a groove under the shelf when not needed.

The printer has a strong wooden frame, metal top and working parts and composition panels with handsome walnut-grain finish. It has two 13½x18-inch shelves, occupies 18x22 inches of floor space and the cabinet is 34 inches high. The printing surface covered is 12x15 inches.

PRICES

Eastman Professional Printer without lamps . . .	$175.00
1000-Watt Mazda C, T-20, 120-volt lamp	6.50
40-Watt, inside frosted, pilot lamp	.20

No. 1 Eastman Printer

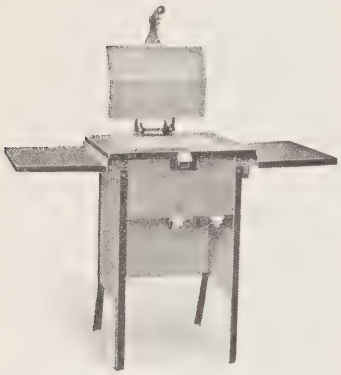


An ideal printer for 5x7 or smaller negatives with an 8x8-inch printing glass surface. The hand lever automatically locks as it brings the paper in contact with the negative, and switches on the two printing lamps. These lamps may be adjusted from the outside as to position and the light is diffused by a ground glass supplied for this purpose. A ruby lamp is furnished but the printing lamps are not supplied.

The printer is well made throughout, stained brown with metal parts nickeled. The outside dimensions are 10½x14x14 inches.

Price, including ruby bulb, electric cord and plug .	$20.00
75 Watt, PS-22, Clear	.45
20 Watt, Amber, Clear	.60

Pako No. 2 Professional Printer



This Printer has the same capacity and size as the De Luxe Model, dispensing with the cabinet and mask and negative compartment. It occupies less floor space, but with the hinged shelves provides ample working space. The spotlight is furnished as extra equipment. Uses 6, 75-watt lamps.

SPECIFICATIONS

Print Opening: 12x15, provided with heavy, polished plate glass.

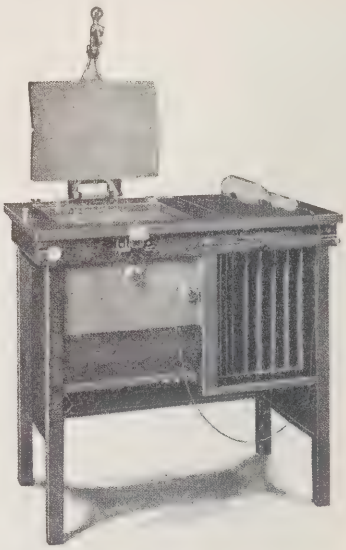
Platen: Positive contact, no air pockets, with the pressure of two fingers on the Easylock multiplied to many pounds.

Cabinet: All metal, finished in dull black. Two 13-inch working shelves, hinged. Printing head is birch, with finish of polished mahogany.

Size: Shelves down—22 inches long, 21 inches wide, and 36½ inches high.

Price (without lamps)	$90.00
Spotlight Assembly: Complete with cord and plug	10.00
75 Watt, PS-22, Clear	.45

Pako Professional Printer De Luxe

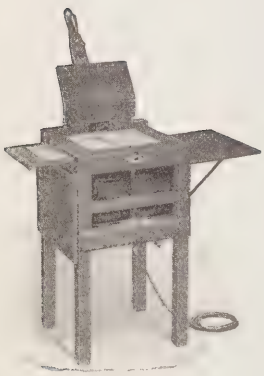


The concealed self locking switch gives an unobstructed working top, allowing for the making of wide border prints from 11x14-inch negatives. All working parts are made of metal. Cabinet is made of birch finished in mahogany.

A spotlight for local printing speeds work needing special exposure over a part of the negative. Print opening, fitted with ¼-inch plate glass, 12x15 inches; size overall, 36 inches long, 21 inches wide and 36 inches high. Uses 12, 75-watt lamps.

Price (without lamps)	$165.00
75 Watt, PS-22, Clear	.45
30 Watt, Amber (Pilot)	.60

Crown Printers, No. 1—8x10; No. 2—11x14

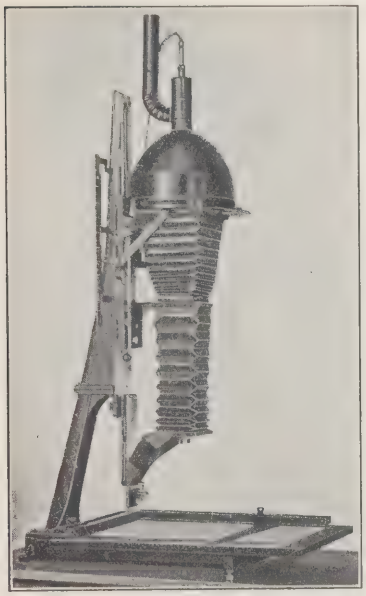


The platen, made of cast aluminum, is hand operated and positive in action. When contact has been made the lights are automatically turned on and the platen locked in position. A slight pressure releases the platen and turns off the light while paper and negatives are still in contact. The lights may also be turned on by hand with platen raised to arrange vignettes or adjust masks. A sliding frame carries a sheet of opal glass for diffusing the light and two drop shelves 12x16 inches on the No. 1 and 13x20 inches on the No. 2 are convenient for holding paper, negatives or prints. The No. 1 Printer takes four and the No. 2, six 100-watt Mazda C lamps (not furnished) in addition to a ruby lamp. One switch turns off all of the lamps when the printer is not in use. Both Printers stand 30 inches high, the No. 1 occupying 15½x17½ and the No. 2, 20x22½ inches of floor space.

PRICES

	No. 1	No. 2
Crown Printer, without lamps, including one sheet of flashed opal glass and six feet of cord and plug	8x10 $65.00	11x14 $75.00
100 Watt, PS-25, Clear	.50	.50
20 Watt, Amber, Clear	.60	.60

Eastman Auto-Focus Enlarger and Reducing Attachment



The Eastman Auto-Focus Enlarger offers the advantages of projection printing in an outfit that sells at an exceptionally attractive price. It takes negatives 5x7 inches and smaller, enlarging from 1½ to 4 diameters, the maximum print size being 20x28 inches.

The camera is counterbalanced on an upright track and an ingenious cam on the standard maintains accurate focus at all times.

The negative holder accommodates film or plate negatives 5x7 or smaller and four masking slides are readily adjusted to mask out any portion of the image. The paper holder has movable masking arms for prints up to 17x20 inches and a margin gauge is adjustable for white margins from ¼ to 2½ inches.

The lens is the Eastman Anastigmat *f*.4.5, 7½-inch focal length and the 250-watt Projection Mazda Lamp, two of which are furnished, is in a thoroughly ventilated lamp house. A foot switch controls the light while the enlarger will stand on a bench or table 26x30 inches. Overall height of machine extended is 69 inches; width, 29 inches; depth, 29 inches.

The Reducing Attachment is an extra bellows and support, quickly attached, for making prints from negative size to a 2¾ times reduction—prints as small as 1¾x2½ from a 5x7 negative.

PRICES

Eastman Auto-Focus Enlarger, complete, including 5x7 camera with Eastman *f*.4.5 Anastigmat lens, two 250-watt lamps, paper holder, foot switch and electric cord (without Reducing Attachment)	$175.00
Eastman Auto-Focus Enlarger Reducing Attachment	30.00
Eastman Diffusing Discs, set of three	25.00
Eastman Diffusing Discs, separately, each	10.00
250 Watt, PS-30, Clear	1.85

Eastman Projection Printer

No. 2—8x10

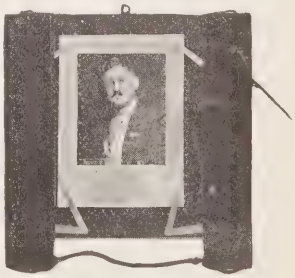
The projected image is always in focus and it is only necessary to raise or lower the camera to change the image size. The camera is fitted with the Eastman Anastigmat Lens *f*.4.5 and when softness is desired this is secured with Diffusion Discs which are supplied. An adjustable masking device permits one to quickly mask out any portion of the negative.

The sliding printing table is furnished for very large prints and an adjustable paper holder for smaller prints. This holder is fitted with movable masking arms which also hold the paper flat during exposure. An adjustable guide may be set for white margins from ¼ to 2½ inches. The printer occupies a floor space of 3 feet by 4 feet 8 inches.

The 8x10 or smaller negatives will make prints up to 40x50 inches. The paper holder will mask prints from 3x3 to 17x20 inches. With the camera raised for a 5 diameter enlargement the extreme height is 10 feet 4 inches.

Complete, including 8x10 camera with Eastman Anastigmat Lens *f*.4.5, 10-inch focus, set of three diffusing discs, paper holder, sliding table, 10-watt ruby bulb and two 400-watt Mazda lamps	$675.00
Extra 400 Watt, PS-35, lamps, each	7.50
Extra 10 Watt lamp, ruby glass	.60

Peerless Copylite

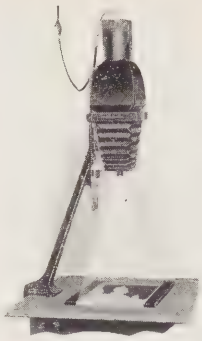


Useful for making negatives of photographs, art objects, tools, jewelry, and other subjects.

Negatives or positives, or Lantern Slides from negatives direct can be made readily by putting a white blotter on Copyboard and placing negative in printing frame.

No. 1. 18-inch Copyboard (4 lights)	$25.00
No. 2. 30-inch Copyboard (6 lights)	65.00

Kodak Auto-Focus Enlarger



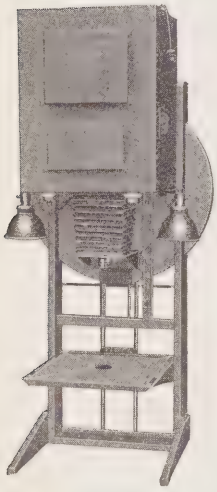
The camera, on a vertical track, is raised or lowered to change the size of the image which is always in focus. It takes film or plate negatives 4x6 or smaller, enlarging from 1½ to 3½ diameters, the largest print being 14x21 inches. Clamps on an ordinary table top where the bromide paper is held flat by paper holders.

The lamp house accommodates a 75, 100, 150 or 200-watt Mazda C lamp (not furnished), and a Diffusion Disc is supplied separately.

Enlarger with Kodak Anastigmat lens, cord and plug, set of six flexible metal masks and paper holders, but without lamp	$33.00
Diffusing Disc, extra	1.00
150 Watt, PS-25, Clear	.60

Bordertinting Projection Printers

5x7—8x10



These self-focusing Printers print the picture and tint the border in one operation. They will enlarge, reduce, copy and make lantern slides. A high grade Anastigmat *f*.4.5 lens is supplied.

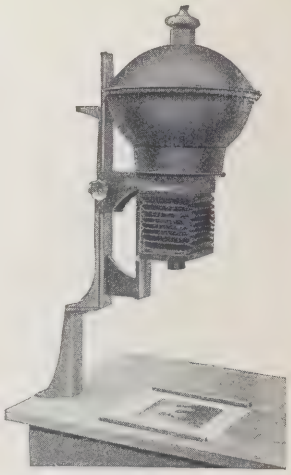
Model 27—5x7—Dimensions, 22x28x62 inches. Makes prints or negatives ranging in size from 2½x3½ to 16x20 from 5x7 or smaller negatives or prints. The printing illumination is two 500-watt Mazda lamps or one Cooper Hewitt M-Tube, has brackets for the tube and receptacles for the bulbs and is wired complete for both.

Model 27—8x10—Dimensions, 24x30x68 inches. Makes prints or negatives ranging in size from 4x5 to 18x22 inches from 8x10 or smaller negatives or prints. The printing illumination is one Cooper-Hewitt M-Tube. The 8x10 Printer is wired for this outfit only. Reduced prints to one-half diameter can be obtained readily.

Model 28—8x10—Similar to the above in all respects excepting that it will reduce three and one-half times and enlarge up to three and one-half times.

Model 27—5x 7	$225.00
Model 27—8x10	350.00
Model 28—8x10	375.00
500 Watt, PS-40, Clear	2.00
Cooper-Hewitt "M" Tube, D. C.	22.50
Cooper-Hewitt "M" Tube, A. C.	23.50

Elwood Special 5x7 Enlarger

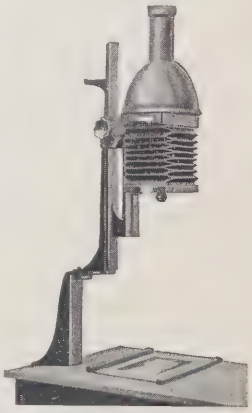


This machine is specially adapted for slow enlarging paper. It has sufficient illumination to enlarge on contact printing paper with an average exposure of one minute. The average exposure on enlarging paper is from 5 to 8 seconds.

Enlargements up to 25x35 inches can be made from 5x7 negatives and reduced prints down to 2½x3½ inches can also be made. The height over all is 62 inches, the focusing is done by rack and pinion, the bellows extension is 15 inches and the lens recommended should be from 5 to 7 inches equivalent focus.

The price of enlarger only without lens but including one 200-watt light and 4-foot extension cord . $58.00

Elwood Studio 5x7 Enlarger



In general construction and dimensions this machine is the same as the 5x7 Special except that the reflector is not so large and it does not have the same speed. Sufficient illumination to use the slow enlarging paper with exposures of 20 to 25 seconds using a 100-watt light and 15 to 20 seconds using a 200-watt light. (In this printer the light bulb is closer to the negative and the radiated heat must be taken into consideration. With a 100-watt light, films will stand 10 minutes exposure without buckling, and with a 200-watt light 5 minutes.)

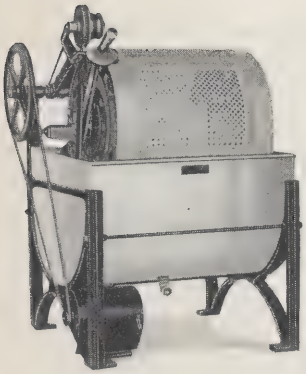
The height over all is 55 inches, uses 100 or 200-watt lamps frosted.

The price of enlarger only without lens but including one 100-watt light and 4-foot extension cord . $30.00

Bordertinting Masks

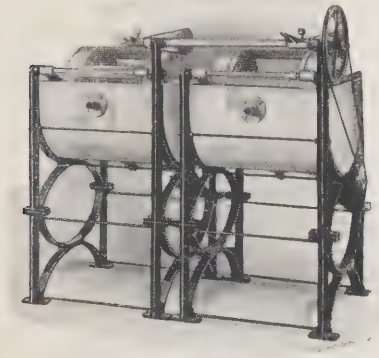
	5x7	8x10
Single tint	$0.75	$1.00
Two tints	1.00	1.50
Three tints	1.50	2.00

The Eastman Print Washer



This print washer, designed specially for photo finishers, embodies several distinctive features. The washing cage, which is made of embossed, perforated sheet metal, is of just the right size for the average batch of prints—200 or less assorted sizes up to 3¼x5½. This enables the washer to be made compactly. The cast iron standard is made in two parts. The washer stands 45½ inches high. With lower half removed, it is 31½ inches high and can be used in a sink. The driving mechanism is entirely outside of the tank so there are no leaky stuffing boxes with which to contend. Floor or sink space required 22x26¾ inches.

A standard-make motor is attached to the frame and drives a shaft back of the tank. A removable arm carrying a belt driven friction pulley transmits the power to the cage. The cage is counterweighted to offset the weight of the door through which the prints are passed. The cage revolves on ball bearings and may readily be lifted out of the tank and reversed, bringing the hinges at the top or bottom of the door as is most convenient. The door may be used as a tray on which the prints may be drained.



Water enters the bottom of the tank and a drain is supplied at the bottom as well as an overflow near the top. There are no gears to wear; the mechanism is simplicity itself.

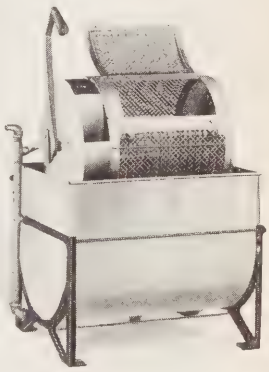
The Eastman Print Washer is also supplied without motor in which case a coupling is supplied which permits two, three or four washers to be operated by the power supplied by one motor.

The washers without motors cost less and operation cost is less when one motor is used to operate several washers.

Regular equipment includes 110-volt motor. In ordering specify whether direct or alternating current motor is desired. Price of 220-volt motor on request.

Eastman Print Washer with 110-volt motor . . . $100.00
Do., without motor, including extra shaft and coupling 85.00
There is a reduction of $10.00 when lower half of base is not supplied.

The Kodak Print Washer



The Kodak Print Washer is operated by the flow of water actually necessary for washing the prints. It will thoroughly wash 200 prints, up to and including 3¼x5½ at one time and at no power cost.

This is accomplished by feeding air into the intake pipe which is made in the form of an aspirator. The air carried in with the water goes into a series of cups on one end of the cage and develops sufficient lifting power to turn the cage from 12 to 16 revolutions per minute. This advantage is distinctly economical and convenient.

The washing cage is made of embossed, perforated sheet metal, counterbalanced to turn easily on its bearings. Four metal fins attached to the outside of the cage aid in increasing the circulation of water and cut down the time required for washing. Since the embossing eliminates practically all flat surfaces, the possibility of prints sticking to the cage is reduced to a minimum.

There is an overflow outlet at the top of the tank and a drain plug at the bottom. As only a small flow of water is required, connections may be made with an ordinary hose.

There is also a lifting device to raise the cage from the water when prints are inserted or removed. The washer measures 22½ inches wide by 25 inches deep and stands 22½ inches high, over all. An extension base, supplied separately, increases this height by 14 inches.

Kodak Print Washer $55.00
Extension Base, extra 7.50

Crusey Photo Print Washer

The Crusey Photo Print Washer consists of a strong, galvanized iron pan into which is set a wire mesh basket that is rotated by water power—the water being forced through jets keeps the basket revolving and prevents the prints from sticking together.

The revolving speed of the basket is governed either by the angle of the sprays on the basket, or the water pressure, or both. It is easy to regulate.

There is no need to wet your hands as the basket may be lifted out of the pan by releasing a lug.

The No. 14 Washer will wash fifty 8x10 single weight prints or 200 Kodak prints at one time. The diameter of this model is 16 inches.

The No. 20 will wash 500 Kodak prints or prints up to 14 inches. Diameter 22 inches.

The No. 30 is for large size prints up to 20 inches. The diameter is 32 inches.

No. 14	$21.00
No. 20	27.00
No. 30	36.00

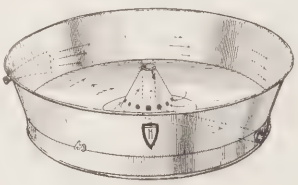
Lenz Rotary Print Washer

It spins so easily that no power is required except the water that does the washing. The washer consists of two heavy tinned copper pans, one inside the other. The inner pan has a perforated bottom and spins on a pivot in the center. A brass spray pipe is suspended across the top, which sprays the water downward at an angle, causing the inner pan to rotate. This spray of fresh water washes off all impurities from the prints and carries it downward through the perforations and out the drain in the side of the washer. Furnished in three sizes.

26-inch—Will wash all sizes up to 11x14.
32-inch—For all sizes of prints up to 14x17.
38-inch—For large prints up to 18x24.

26-inch	$40.00
32-inch	50.00
38-inch	60.00

The Halldorson Centrifugal Print Washer



Entering from tap, the water is given great velocity by passing through small openings at the side and is directed along the wall so that it flows around the basin in a rapid, circular stream.

The outlet is at center and removes the water from the bottom together with the accumulated surplus hypo. The level of the basin is kept at uniform height constantly.

This central outlet also prevents massing of prints at the outlet and the swirling motion prevents prints from sticking to sides or bottom. Once in the water, prints need no further attention until removal time.

24-inch	$13.00
30-inch	16.00
36-inch	18.50

Lenz Centripetal Print Washer

A simple, efficient, low priced washer. Water under pressure is sprayed into the washer at an angle, producing a whirlpool which separates and washes 100 to 300 prints thoroughly in 20 to 30 minutes. Made in two sizes.

24-inch for all sizes up to 5x7	$15.00
30-inch for all sizes up to 8x10	18.00

Pako Print Washer

Will thoroughly wash 250 average size amateur prints in about 15 minutes, depending on the purity of the water used.

Perforated drum rotates gently in the tank of constantly changing water. Circulation keeps prints separated—protects edges, corners and surfaces.

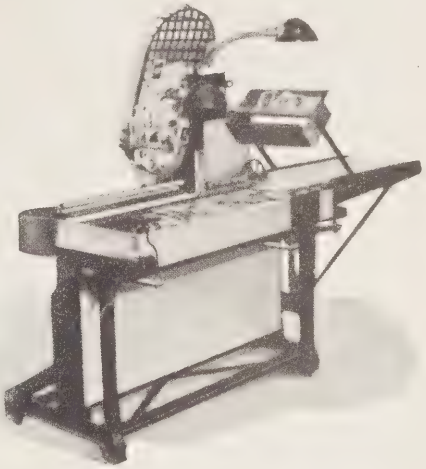
Drum is electrically driven—disengages from drive when raised by the foot treadle. Cover serves as a drain tray. In raised position there are but four inches of water in the drum.

Strongly built and attractively finished; standard 1-20 H. P. motor; size, 37 inches long, 24 inches wide, 36 inches high.

Price, complete with motor $125.00

Pakodoper

The Pakodoper is a complete self-contained machine for developing amateur prints in commercial volume. It is automatic from the feeding of the prints to their removal, except for the temperature control of the solution. It is fast enough to take all the prints of three fast printers.



Price, complete $750.00
Price, without rocking short stop 600.00

Pako Rocker System

This is a dry-hand method of handling prints—speedier, more economical and a protector of quality.

500 to 600 prints hourly is an easy average to maintain. Operates with about 25 per cent of operator's time. Requires no skill. Carries your prints through short stop, hypo, wash and drain without wasting time or effort—without wetting a finger.

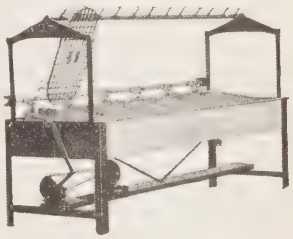
Pako Rocker System

Complete, including 1 Hypo Tray, 1 Short Stop Tray, 1 Wash Tray (Pat. outlet), 1 Time Indicator, 1 Drain Stand, 4 Print Carriers, and 1 Motor equipped Rocker and Base $195.00

Pako Auxiliary Rocker System

Same equipment as above except that the motor is replaced with spacing rods and connector to permit operating two systems from a single motor 165.00

Pako Gang Rocker



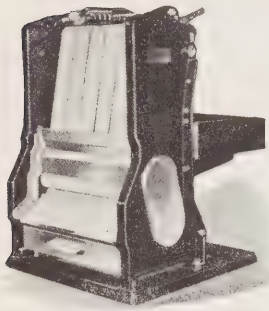
The Gang Rocker consists of a tank, on a standard of working height, containing 3, 4, 5 or 6 trays, as desired. It is motor driven, and the trays are rocked, within the tank, with an easy rhythm that produces a positive passage of liquid over the prints without detriment to corners or edges.

Above the tank and trays is a rack on which Print Carriers are hung in effecting their transfer from one bath to another. One water and one sewer connection serves the entire machine.

All the trays may be devoted to washing, or all to Hypo, or any single tray may be devoted to washing, to Hypo, or Short Stop.

Made in four sizes.
Three trays, 4 ft. 2 in. overall $350.00
Four trays, 5 ft. 5 in. overall 400.00
Five trays, 6 ft. 8 in. overall 450.00
Six trays, 8 ft. 0 in. overall 500.00

Pako Print Flattener



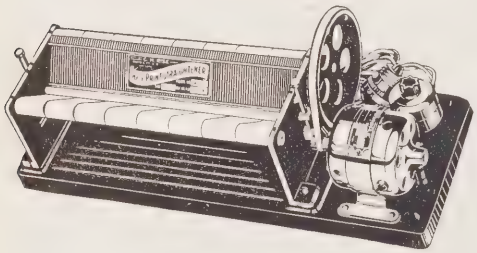
It eliminates the curl without impairing the print in any way. All sized prints up to 10 inches will pass through the Flattener rapidly and safely.

A web moistener supplies a limited amount of moisture to the belts, thus preventing any chance of cracked emulsions and an adjustment takes care of prints having various degrees of curl—this adjustment consists of an easily worked hand lever placed at top of machine.

When prints are to be mounted a slight reverse curl can be given readily and this will help greatly in mounting neatly and rapidly.

Price $150.00

Rise Print Straightener



After passing through this Straightener, prints will lie flat and they may be handled and sorted in half the time previously required.

Double weight prints may be made quite flexible and they are not liable to curl—a great convenience in mounting portrait prints in folders.

THREE MODELS ARE OFFERED

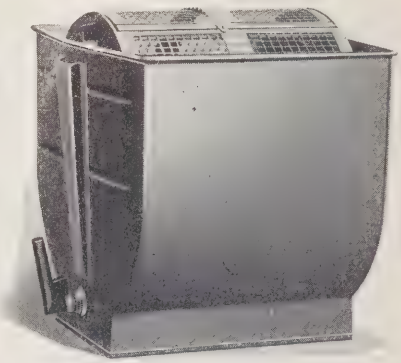
Model 4A—A. C. or D. C. motor drive, for prints up to 12 inches $45.00
Model 5A—A. C. or D. C. motor drive, for prints up to 18 inches 65.00
Model 6A—Hand driven, for prints up to 12 inches 24.00

Kodak Double Print Roller

A highly convenient aid in mounting. The frame is nickeled and the rubber rolls are six inches long. The desired pressure is easily exerted by means of the overhead handle.

Each $1.00

Rex Automatic Print, Film and Plate Washer



This washer does not require attention while in operation. All sizes and weights of prints and films may be washed at the same time. It will run with 15 to 20 pounds water pressure—the water that is used to wash the prints also runs the machine.

The prints and films are enclosed in a cylinder. The water is forced up from the bottom of the tank and strikes the cylinder or cage. The prints or films, cylinder and water all revolve at the same speed. The prints are washed by a continuous flow of water. The cylinder or cage is raised and the water is drained without touching the prints. The water is constantly changing. A special attachment for washing plates is available.

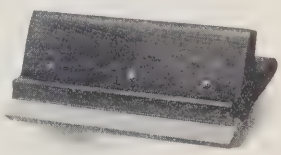
WASHER SPECIFICATIONS

No.	Will Wash	Price
4	6½x8½ or 200—4x6	$15.00
5	10x12 or 300—4x6	20.00
6	11x14 or 400—4x6	25.00
7	16x20 or 600—4x6 or 125—8x10	30.00
8	18x22—800—4x6 or 200—8x10	35.00

PLATE ATTACHMENT

No.	For Washer	For Plates	Price
22	No. 4	6½x 8½	$3.00
26	No. 5	8 x10	3.50
30	No. 6	10 x12	4.00
35	No. 7	11 x14	4.50

Eastman Special Squeegee



Consists of a specially designed double wooden grip with an edge of superior quality, live velvet rubber, 8 inches in width. For use in connection with Ferrotype plates to squeegee prints in contact.

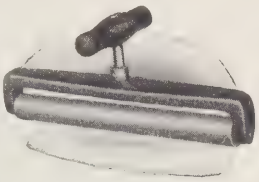
Each $1.25

Flexo Print Roller

A thoroughly practical roller for average work. The four-inch rubber roll is supported in a black enamel frame.

Each $0.35

Eastman Single Print Roller



Ten-inch roller, covered with heavy, first-quality white rubber, extra strong nickeled frame. Weight, five pounds. The heavy handle set at right angles to the roller affords a strong grip, and makes this type especially effective for heavy work.

Each $4.75

Eastman Special Ferrotype Plates

These metal plates are specially made for use in squeegeeing prints to obtain a high glossy finish. The surface is glazed.

	10x14	14x20	18x24
Light, each	$0.20	.....	.....
Heavy, each	.30	$ .65	$1.00

Majestic Squeegee Plates

Our squeegee plates are the best obtainable and with proper care in handling they will last a long time.

To insure long life to squeegee plates, authorities state that they should never be washed with hot water or with soap. Best results will be obtained through the use of luke-warm water and the plates left in the water just long enough to make sure that all grease or paste is removed.

Square Corner Squeegee Plates

Size	Each	Plates per Case
10x14	$ .30	100
14x20	.65	100
18x24	1.00	60

Round Corner Squeegee Plates

10x14	$ .30	100
14x20	.65	100
18x24	1.00	60

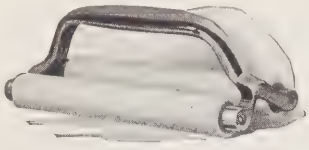
Eastman Blotting Paper

Highly absorbent stock and chemically pure. Made in two weights—regular and extra heavy, the former weighing 100 and the latter 120 pounds to the ream.

Sheet, 19x24 In.	1 Doz. Sheets	¼ Ream (125 Sheets)	½ Ream (250 Sheets)	1 Ream (500 Sheets)
Regular Weight	$.80	$8.00	$15.00	$27.00
Extra Heavy	.90	9.00	17.00	33.00

Rolls, regular 75 pounds, 20 inches wide $21.00
20 inches x 10 feet 40
Extra Heavy, 75 pounds, 24 inches wide 21.00
24 inches x 10 feet 60

Eastman Double Print Roller No. 1



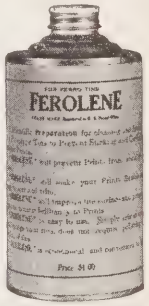
Eight-inch rolls covered with first-quality heavy white rubber; both rolls hang exactly true, insuring perfect contact with the print. The solid, heavily nickeled handle affords a strong, firm grip. Weight, five pounds.

Each $5.25

Squeegee Plate Solutions

Polishing Solutions which will help in keeping squeegee plates in first class condition are listed here for convenience.

Peep-O-Day Squeegee Paste: This well known cleaning and polishing solution has no oil in its composition, therefore dust will not collect on the plates. 2½-ounce can at 25c. Half-pint can at 50c.



Ferolene: A scientific non-inflammable preparation for cleaning and lubricating squeegee plates. It prevents glossy prints from sticking and curling. Pint cans at $1.00.

Uneedol: A liquid squeegee lubricant that is economical and safe. Prints of perfect gloss which dry quicker and flatter are the result of using this lubricant.

Pint can . . . . . $ .85
Quart can 1.50

Yale Cloth: A specially prepared cloth containing in itself all that is necessary for keeping squeegee plates in a usable and satisfactory condition. Yale cloth lists at $1.00.

Blotters

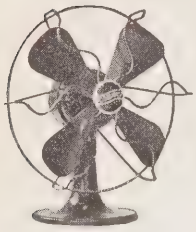
A thoroughly satisfactory blotting paper. Absorbent, pure, meets every requirement. Furnished in two weights, 100 and 120 pounds to the ream.

	120-Pound	140-Pound
Dozen	$ .90	$ 1.25
¼ Ream	9.00	12.50
½ Ream	17.00	24.00
1 Ream	33.00	47.00

Kodak Photo Blotter Roll

11½ inch x 6 feet, capacity 60 average sized prints. $1.50

Westinghouse Electric Fans



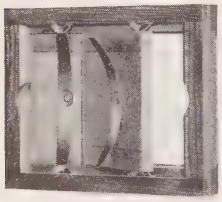
Photographers will find many uses for these high-grade fans—in the reception room and in the workrooms. They will keep your studio cool and comfortable and are also valuable for use in drying prints and films.

Used in conjunction with the Cozy-Glow Heater they offer a sure and rapid means of drying glossy prints on squeegee plates as well as films and plates.

8-inch, Universal Motor, net	$ 6.85
10-inch, Non-Oscillating, net	13.25
10-inch, Oscillating, net	17.35
12-inch, Non-Oscillating, net	24.70
12-inch, Oscillating, net	31.50
16-inch, Oscillating, net	36.75

(In ordering 10, 12 or 16-inch fans specify A. C. or D. C.)

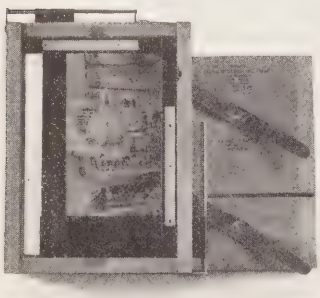
Eastman Heavy Weight Printing Frame



Constructed of seasoned hard wood with strong springs of tempered steel. The backs of sizes up to and including 8x10 open two thirds and have a piano hinge while larger sizes open half and have butt-hinges.

4¼x 6½	$2.00	14x17	$ 7.25
5 x 7	2.00	7x17	7.00
6½x 8½	2.25	12x20	9.50
8 x10	2.50	16x20	10.00
7 x11	3.00	18x22	11.00
10 x12	5.00	20x24	12.00
11 x14	5.25		

Kodak Auto-Mask Printing Frame

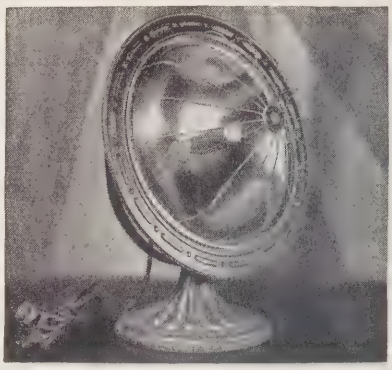


This frame can be used in printing from any negatives 4x5, 3¼x 5½ inches or smaller.

Attached to the frame are two slides adjusted from the outside, forming an accurate mask of whatever size is desired.

Price $1.50

Cozy Glow Heaters



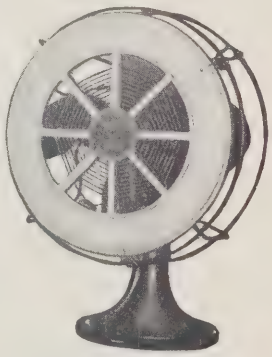
Useful for balancing the heat in reception rooms and in the operating room. They can also be depended upon to dry films, plates and prints properly and in very quick time.

A heavy cast iron base insures solidity, yet allows the radiator to be easily moved about. The design gives control of the direction of the heat rays. Complete with 10 feet of flexible cord and attachment plug. Furnished in 100 to 120 volts or 200 to 240 volts.

11-inch Reflector	$4.75
14-inch Reflector	7.50

(In ordering, specify voltage required.)

Hot Breeze Heater



The heater can be attached to any ordinary electric fan, the air from the fan passing directly through the heating element.

No heat is wasted and the air is thoroughly dry as there is no moisture in electric heat. It operates without fumes or excessive heat and does not affect the air in workrooms.

It is an excellent heating unit for drying glossy prints on squeegee plates, as it dries them in a short time without brittling.

Price, Heater only, with six feet of cord $5.50

Cirkut Printing Frame

Made in eight sizes from 2½ to 10 feet in length and for all widths of Cirkut film.

6½ in. x 30 in.	$ 8.50	10 in. x 4 ft.	$15.00
6½ in. x 48 in.	10.00	10 in. x 6 ft.	20.00
8 in. x 4 ft.	11.00	16 in. x 6 ft.	35.00
8 in. x 6 ft.	15.00	16 in. x 10 ft.	49.00

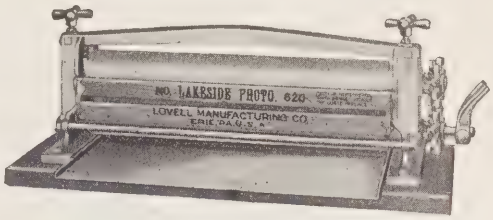
Easy Photo Wringer

A hand operated wringer, medium in price, which meets every requirement of the photographer. Perfect contact is assured and the Easy Photo Wringer positively will not buckle prints.

Fitted with the best quality rubber rolls, this wringer will quickly eliminate free water from both prints and tins, thus shortening drying time.

	Rolls Inches	Shipping Weight Lbs.	Net Price Each
No. 312	12x2	26	$10.50
No. 316	16x2	30	12.75
No. 318	18x2	32	13.88
No. 320	20x2	34	15.00

Lakeside Photo Wringer



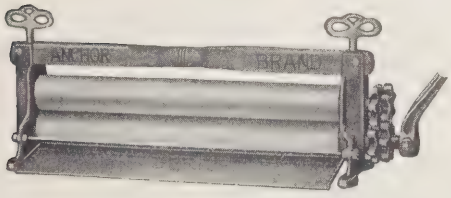
Double pressure screws with lock-nuts insure correct pressure. Rolls are ground true on lathe centers. *Cogs on drive end* eliminate buckling of prints.

A pressure lift releases contact when not in use, preventing flat rolls. Shaft bearings have smooth machined surfaces.

The Lakeside also has a reversible drip pan.

	Rolls Inches	Shipping Weight Lbs.	Net Price Each
No. 618	18x3	100	$62.00
No. 620	20x3	108	64.00
No. 622	22x3	116	66.00
No. 624	24x3	124	68.00

Penn Photo Wringer

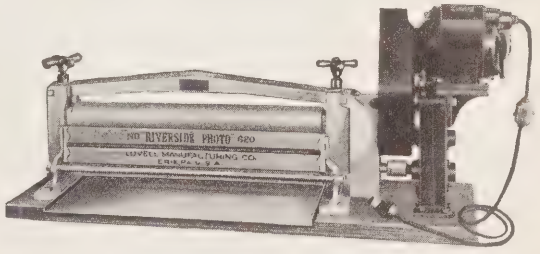


Cogs on drive end eliminate buckling of prints. Shaft bearings have smooth machined surfaces. Rolls are ground true on lathe centers.

Spiral springs in standards release contact when not in use, preventing flat rolls. The Penn can be bolted on top of table.

	Rolls Inches	Shipping Weight Lbs.	Net Price Each
No. 418	18x2¼	35	$26.33
No. 420	20x2¼	40	27.67
No. 422	22x2¼	45	29.00
No. 424	24x2¼	50	30.33

Riverside Photo Wringer



Furnished with ⅛ H. P. single-phase A. C. or D. C. motor—can be attached to lamp socket. Speed of rolls, 27 R.P.M.

A *pressure lift* releases contact when not in use, preventing flat rolls. *Continuous drive* with cogs on drive end eliminate buckling of prints.

	Rolls Inches	Shipping Weight Lbs.	Net Price D. C. Motor Each	Net Price A. C. Motor Each
No. 618	18x3	157	$126.67	$120.00
No. 620	20x3	165	130.67	124.00
No. 622	22x3	173	134.67	128.00
No. 624	24x3	181	138.67	132.00

Kodak Photo Blotter Roll

11½ in. x 6 ft. Capacity, 60 average sized prints . . $1.50

Extra Muslin-Faced Blotters

For use with Majestic Print Dryer

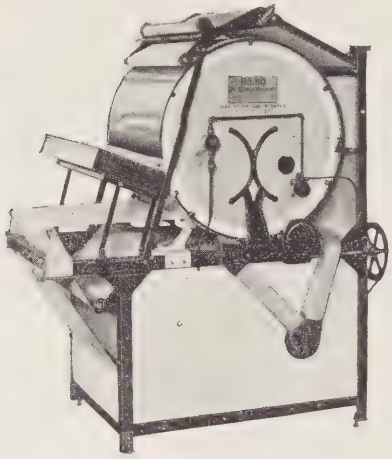
For dryer rolls, Nos. 1 and 2 . . . . . $3.25
For dryer roll, No. 3 . . . . . 2.50

World Blotters

A good quality blotter for photographic use.

	Doz.	¼ Ream	½ Ream	Ream
100 lbs.	$.75	$6.00	$11.00	$20.00
120 lbs	.90	6.20	11.80	22.50

Pako Hi-Gloss Machine



This machine is designed to make high quality glossy prints by a fast and sure method. The prints are immersed in a Hi-Gloss solution for three minutes, then fed into the machine. They are placed on a belt-like apron, face up and carried around a revolving gas-heated drum with a highly polished surface. After one revolution of the cylinder or drum the dry prints will drop into a receiving tray.

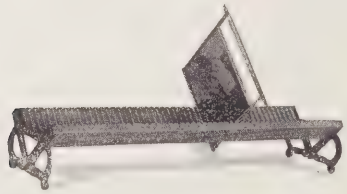
The heat is thermostatically controlled. The speed of revolution is easily managed and once regulated will require very little variation. The machine combines a motor, an electric blower, feed table, receiving tray, wiper and other features. It is 3 feet wide, 5 feet long, and 5 feet 6 inches high.

Hi-Gloss Solution used with prints and on Cylinder, comes in concentrated form. The cost of using is approximately 10c per thousand prints.

PRICES

Pako Hi-Gloss Machine	$950.00
Pako Hi-Gloss Solution, one gallon	5.00

Eastman Film and Plate Drying Rack



A substantial rack that will hold 50 glass negatives or 50 film negatives in hangers. Measures 33 inches long, 9 inches wide and 5½ inches high.

Eastman Film and Plate Drying Rack	$2.50

Pako Dryer

This machine will dry matte, semi-matte, and natural gloss prints by gas or electric heat. Its operation is safe, simple and sure. Requires no experience and the regulation of the heat and speed is so easy that splendid results are obtained from the start. Moist prints are carried around a heated cylinder by means of a specially woven apron.

The apron on the Pako Dryer will not slip as it rides true at all times. This factor is important as in the other dryers of this type considerable difficulty has been experienced in the past, due to aprons not traveling smoothly.

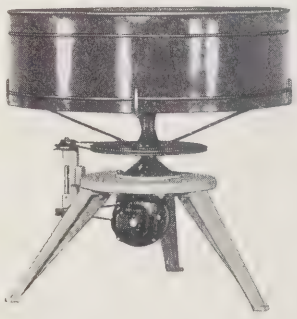
Many valuable features add to the speed, dependability, and economy of this machine. Electric motor and Pyrometer are standard equipment.

PRICES

Price, Gas Heated	$160.00
Electric Heated*	225.00
Extra Aprons	18.00
Extra Pyrometers	2.25

(*For 25–40 Cycle Motors, add $10.00.)

Master Photo Dryer



The Master Photo Dryer is a rotary machine for drying glossy prints on squeegee tins. The squeegee plates are inserted and held securely and there is little danger of the prints falling off.

It will be found useful by commercial photographers as well as by photo finishers as it is compact yet it has a large capacity and is easy to operate.

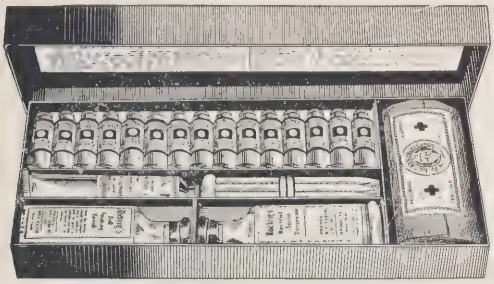
Once inserted in place, the plates or machine require little attention. The machine is whirled around by a 1/6 H.P. motor (supplied A.C. or D.C. as required) and drying time is reduced to a very short period.

PRICES

Model A.	Adapted only for 10x14 tins	$135.00
Model B.	Accommodates 14x20 tins	150.00

Roehrig's Transparent Oil Photo Colors

These oil colors are brilliant and permanent. They are especially prepared for use in coloring photographs and other pictures.



PRICES

Set of 14 quadruple tubes	$7.80
Set of 15 tubes and accessories	3.90
Set of 15 smaller tubes	2.60
Roehrig's Medium, large tube	.60
Dull Finishing Varnish	.50

Roehrig's Extra Tubes

Raw Sienna	Sepia
Burnt Sienna	Neutral Tint
Raw Umber	Yellow Ochre
Burnt Umber	Golden Ochre
Chrome Green, Light	Verona Brown
Chrome Green, Medium	Blue (Prussian)
Chrome Green, Dark	

Supplied separately in the above colors.

Small tubes, ½x2-inch, each	$0.25
Large tubes, ¾x4-inch, each	.75

Cadmium Yellow	Cerulean Blue
Cadmium Yellow, Light	Ultra. Blue
Cadmium Yellow, Orange	TransparentWhite
Crimson	Transparent Black
Carmine	Oxide Green
Lip	Tree Green
Cheek	Olive Green
Vermilion	Viridian
Opaque White	Cobalt Violet
Rose Madder, Light	Indian Red
Rose Madder, Medium	Naples Yellow
Rose Madder, Dark	Flesh
Cobalt Blue	Opaque Black

Supplied separately in the above colors.

Small tubes, ½x2-inch,each	$0.30
Large tubes, ¾x4-inch, each	.80

Webster Photo Colors

Both glossy and matte finish prints may be colored by the Webster process with facility and speed.

These colors have unfailing brilliance and are used extensively for coloring lantern slides and other transparencies.

Webster Dye Proofing is used to protect specific white or colored parts of the photograph from subsequent washes.

PRICE, PER SET

Set of 14, ½-oz. bottles of colors and Dye Proofing $3.50

Webster Colors

1A Red, 1B Red, 1C Red, 1A Blue, 1B Blue, 1C Blue, 1B Yellow, 1D Yellow, 1A Orange, 1A Brown, 1B Brown, 1A Green, 1B Green, 1A Black. Order by name and number.

½-oz. bottle	$0.25	Pint bottle	$ 2.15
4-oz. bottle	.75	Quart bottle	4.00
8-oz. bottle	1.25	Gallon bottle	15.00

Dye Proofing

Pint bottle	$1.15	Quart bottle	$2.00
		Gallon bottle	$7.00

Dodgers Dye

This is a strong red color produced for dyeing Kodalak for use on parts of negative that will not print without dodging.

4-oz. bottle	$1.25	Pint bottle	$4.00
8-oz. bottle	2.15	Quart bottle	8.00

Velox Water Color Outfit

Photographic prints and lantern slides can be colored, artistically, by using Velox Colors. They are transparent and blend readily, so that the desired effect is obtained without experience or special ability. The outfit includes twenty-six stamps of each of twelve colors, and three brushes. It comes in a white enamel case, the inside cover of which is used as a mixing palette.

Velox Transparent Water Color Stamps, complete booklet, 12 colors	$0.50
Separate Color Leaves, per sheet	.04
Set of three Special Brushes	.50
Velox Water Color Outfit, including book, three brushes and case	1.00

"Mona Lisa" Colored Oil Chalk Pencils

These oil crayons are unique in that they will blend one with another in much the same way that water and oil paints will. This advantage is not possessed by any crayon made in the usual manner.

The colors are true, of unequalled brilliance and indelible.

SETS

No. 3075 (6 colors assorted)	$0.75	No. 3077 (18 colors assorted)	$2.25
No. 3076 (12 colors assorted)	1.50	No. 3078 (24 colors assorted)	3.00

COLORS

101 White	115 Bistre
102 Light Yellow	116 Chrome Orange
103 Light Ochre	117 Sky Blue
104 Natural Sienna	118 Dark Violet
105 Vermilion	119 Zinc Yellow
106 Burnt Sienna	120 Dark Grey
107 Carmine	121 Cadmium, dark
108 Cobalt Blue	122 Rose
109 Ultramarine	123 Caput Mortuum
110 Paris Blue	124 Light Violet
111 Cinnabar Green, dark	125 Cinnabar Green, light
112 Vandyke Brown	126 Green Earth
113 Ivory Black	127 Indian Red
114 French Grey	

Each	$0.15
Dozen	1.50

Dunne's Transparent Water Colors

Will color all photographic papers, lantern slides and transparencies without other preparation than moistening with water. For any collodion surfaces, however, special information will be sent on request.

They are excellent for airbrush work. Each set includes an assortment of 12 colors.

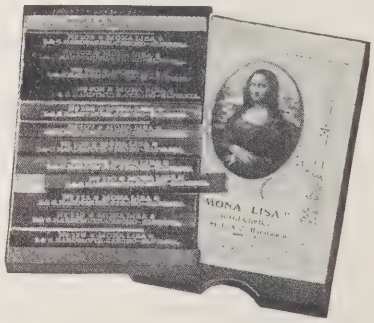
Set, with instruction book	$2.50
Extra instruction book, each	.50

Winsor-Newton Water Colors

A fine quality water color, supplied in pans or tubes.

Burnt Umber	$0.40	Sepia	$0.80
Chinese White	.40	Lamp Black	.40
Gamboge	.40	Prussian Blue	.40
Warm Sepia	$0.80		

"Mona Lisa" Colored Oil Chalk Crayons in Stick Form



The same material as used in the "Mona Lisa" pencil is made up in solid stick form. These crayons have many uses, especially where masses of color and broad strokes are wanted. They are strong and do not break easily, nor wear away quickly. They are 3 inches long, ¼ inch square, and are put up in sets as follows:

No. 377–13—13 colors, per set	$1.00
No. 377–18—18 colors, per set	1.40
No. 377–24—24 colors, per set	1.85

"Koh-i-noor" Polycolor Wax Crayons

These Wax Crayons are round, rather large diameter, with thick crayon. They are hand polished in colors to match the crayon within and supplied in 60 colors.

PRICE, PER SET

No. 1610— 6 colors	$0.75	No. 1613—24 colors	$3.00
No. 1611—12 colors	1.50	No. 1614—36 colors	4.25
No. 1612—18 colors	2.25	No. 1615—48 colors	5.50

1 Permanent White	31 Madder Lake, Rose
2 Zinc Yellow	32 Madder Lake, Deep
3 Cadmium Lemon	33 Rose Lake
4 Chrome Yellow, Pale	34 Crimson Lake
5 Cadmium, Deep	35 Carmine Extra
6 Naples Yellow	36 Scarlet Lake
7 Chrome Yellow, Deep	37 Saturn Red
8 Orange	38 Vermilion Pale
9 Green Earth	39 Vermilion Deep
10 Olive Green	40 Light Ochre
11 Emerald Green	41 Raw Sienna
12 May Green	42 Gold Ochre
13 Sap Green I	43 Brown Ochre
14 Sap Green II	44 Burnt Light Ochre
15 Sap Green III	45 Burnt Sienna
16 Hooker's Green I	46 English Red
17 Hooker's Green II	47 Pompeian Red
18 Viridian	48 Indian Red
19 Vegetable Green	49 Burnt Carmine
20 Prussian Green	50 Raw Umber
21 Light Blue	51 Vandyke Brown
22 Mountain Blue	52 Burnt Umber
23 Cobalt Blue	53 Sepia
24 Ultramarine	54 Warm Sepia
25 Paris Blue	55 Cerulean Blue
26 Prussian Blue	56 Pearl Grey
27 Indigo	57 Payne's Grey
28 Delft Blue	58 Light Grey
29 Violet Lake, Reddish	59 Neutral Tint
30 Violet Lake, Bluish	60 Ivory Black

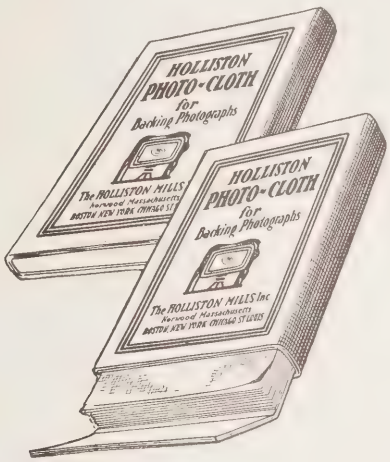
Each . . . . . $0.15 Dozen $1.50

Holliston Photo Cloth

A splendid adhesive for backing photographs, prints and blue prints. In just one operation it produces neat cloth-backed photographs which are flexible yet firm. They will not curl or fray.

Holliston Photo-Cloth—White

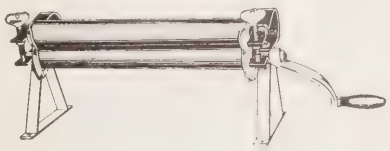
The standard fabric, white, with one side adhesive for general use.



Price List per 100 Sheets
In packages of 100 and 500 sheets
(Minimum order 100 sheets)

Size	100 Sheets	500 Sheets
9x12	$2.50	$2.25
18x24	9.70	8.75

Holliston Squeegee Wringer



Designed for squeegeeing prints and backing photographs with Holliston Photo-Cloth. The frame is of steel and can be mounted quickly on a table or bench. The special soft rolls are of a pure gum base and are not affected by chemicals. Adjusting screws regulate pressure and there are no cogs or springs to get out of order.

Roll Sizes	Prices
No. 18—18x2 inches	$19.00
No. 20—20x2 inches	20.00
No. 24—24x2 inches	22.00

Wold Airbrush
Type "A-1"

Type "A-1" Airbrush is the old standby for artists who have become accustomed to the double action lever movement airbrushes. It is suitable for any class of art work, such as photography, retouching negatives, photo retouching, photo coloring, backgrounds and other uses in commercial art.

It may be had with the funnel cap as shown in the cut, or with the No. 1 tube cup.

Price includes Airbrush in leatherette case, funnel or tube cup, holder and screw, air tube nipple and directions for use. Each. $22.00

Wold Airbrush
Type "A-2-N"

This type allows the use of an underneath 1/6 ounce glass jar or the usual side cup. It is supplied with a non-adjustable air cap. For hair line adjustments an adjustable air cap may be obtained.

Price includes one glass jar top and tube, one hanger, one hose connection complete and instructions for use and care.

The complete outfit is inclosed in a permanent leatherette case $25.00
Adjustable air cap, each 2.50

Wold Airbrush
Type "U"

This Airbrush combines the best features found in both the single and double action Airbrush. By its exclusive patented movement the operator needs but to exert a single downward pressure (as in the single action brushes) to obtain double action control. A slight down movement gives a sharp hair line, a complete movement gives a full wide spray.

With the "U" in the purple plush lined leatherette box there is included an Airbrush hanger, a hose connection, a No. A funnel cup and full directions for use.

Priced at $25.00

Rubber Tubing

Special quality tubing for airbrush purposes. Furnished in plain white rubber or cloth woven.

Plain white or cloth woven, per foot $0.10

Wold No. 7 Electric Air Compressing Outfit

The No. 7 electric air compressing unit contains a 1/6 H. P. motor (A. C. or D. C. as specified) with 10 feet of cord and plug for lamp socket, a 1⅝x1½ air compressor, belt, 6-gallon air tank, automatic switch, two 50-pound air gauges, an air reducer, two air outlets, 6 feet of cloth woven rubber tubing, and all fittings and pipings installed in place ready for operation as soon as the outfit is received.

Priced at $125.00

Carbonic Air Outfit

The Carbonic outfit consists of a reducer, air gauge, shut-off air cock, five feet of high pressure cloth covered rubber tubing, spring wall clamp and wrench. The pressure, shown on the gauge, is raised or lowered to the proper amount for the Airbrush by merely a turn of the handle. A drum of Carbonic Air (not included) will last about a month when working eight hours a day with a small sized Airbrush.

No. 1—Large outfit, net weight, 7½ lbs. Price, 100-lb. regulation $14.00
No. 2—Small outfit, net weight, 5¾ lbs. Price, 50-lb. regulation 12.00

Airbrush Colors

WOLD LAMP BLACK

1-oz. jars, paste form, each $0.50

WOLD SEPIA

1-oz. jars, paste form, each 50

HOLMES WHITE

½-oz. jars, paste form, each 25

WOLD LIQUID WATER COLORS

These specially prepared water colors allow transparent tints without a heavy effect and dry quickly without a gloss. All ready mixed for instant use.

Scarlet Lake	Hookers Green	Cadmium Yellow
Crimson Lake	Cobalt Blue	Neutral Gray
Olive Green	Prussian Blue	Black and White
Mauve	Lemon Yellow	Brown

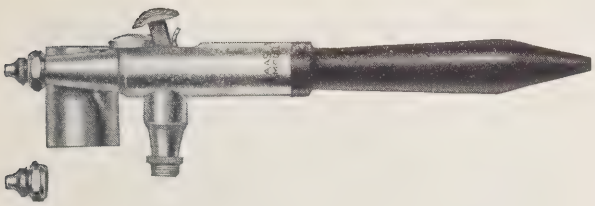
2-oz. bottles, each $0.20
6-oz. bottles, each 50
16-oz. bottles, each 1.00
SPECIAL—*Set of eleven 2-oz. bottles, all colors except black and white* 1.75

Air Tube Connections

New type Hose Connection comes in two pieces. When once put on it will stay until the hose is worn out. Each $1.00
Tee air tube connection, each 35
Straight air tube connection 25

Paasche Airbrushes

Types M and ML



These Multiplehead Airbrushes are efficient and speedy. The interchangeable Multiplehead is made in three parts, consisting of tip, air cap and nut assembled in one unit so that it is an easy matter to uncouple one head and attach another. Colors cannot clog the passage as the entire head is removable. When tip is worn out it is sent in for replacement. Attach the extra head which is always supplied and you have the services of the airbrush without loss of time.

Three sizes of Multipleheads can be supplied. No. 1 for finest work is always supplied with the brush. No. 2 will work twice as fast as No. 1 and No. 3 twice as fast as No. 2 thereby increasing the range of the brush threefold.

Type M, the small size airbrush, is used extensively in retouching.

Type ML, the large size airbrush, may be used for art work or general retouching.

Type M Multiplehead Airbrush in leatherette case with M cup, hanger, 6-ft. length airhose with couplings and line valve, extra Type M head, needle, reamer and complete directions	$26.50
M Head Nos. 1, 2 or 3, each	2.25
M funnel cup, each	.50
MB funnel cup (large size), each	.75
M ⅛ oz. color cup flat bottom, each	.75
M ¼ oz. color cup flat bottom, each	1.00
M ½ oz. color cup flat bottom, each	1.25
M 1 oz. bottle, each	.50
M needle, each	.20
M reamer, each	.25
M 6-ft. length air hose with screw tight couplings	1.40
¼-inch line valve	.75

Type ML Multiplehead Airbrush in leatherette case with ML cup, hanger, 8-ft. length of air hose, couplings, line valve, extra head, needle, reamer, and complete directions	$30.00
ML heads Nos. 1, 2 or 3, each	2.75
ML funnel cup, each	.75
ML ¼ oz. color cup flat bottom, each	1.00
ML ½ oz. color cup flat bottom, each	1.25
ML 1 oz. bottle, each	.60
ML 2½ oz. bottle, each	.75
ML needle, each	.25
ML reamer, each	.35
ML 8-ft. length air hose with screw tight couplings	1.60
¼-inch line valve	.75

Paasche Airbrushes

Types A and B

These airbrushes operate on a principle which makes it possible to use the heaviest of colors on the finest work. The sensitive combination finger lever, controlling both air and color is easily operated.

The open spoon of each type, A or B, not only permits the use of heavy colors without fear of clogging, but it allows the use of only a drop of color, which is most convenient for frequent changes in color work.

Types A and B are the same except for the position of the color spoon. Type A is held in a horizontal position and is used for work on an easel. Type B is for drawing table use. These spoons are interchangeable.

Types A or B Airbrush in leatherette case, complete with one dozen needles, tube of lubricant, screw driver, tweezers, hanger, hose attachment, nipple strainer, and complete directions for use	$35.00
Types A or B needles, per dozen	.75
Types A or B color spoon, complete	5.00
Types A or B 6-ft. length air hose with screw tight couplings	1.40
¼-inch line valve	.75

Paasche Foot Pump Outfit

It will furnish 40 pounds pressure without exertion. The foot pump is intended for use at home or when the operator has occasional use of the airbrush for short periods.

Complete, consisting of Paasche foot pump, air tank with gauge and air cock, fittings, and ten feet of the best airbrush tubing. Shipping weight, 32 pounds. Dimensions, 31x11x11 inches	$16.50

Paasche Portable Hand Pump Outfit

Designed to meet the requirements of those who use the airbrush occasionally and want a low priced outfit

Complete, with 4-gallon air tank, 40-pound air gauge, with pump, fittings and 8 feet airbrush tubing. Shipping weight, 10 lbs. Dimensions, 30x10x 10 inches	$9.75

Where to Get Air Drums

A supply of filled drums of Carbonic Air is carried in stock by all Carbonic Acid Gas Manufacturers. Any soda water bottler can also supply the 20-pound Liquid Air drums on order; or inquire at any soda fountain and they will be able to tell you where to purchase a drum of Carbonic Air.

Paasche Easel Drawing Table

IN DRAWING TABLE POSITION

REAR VIEW SHOWS CONSTRUCTION OF REVOLVING FEATURE

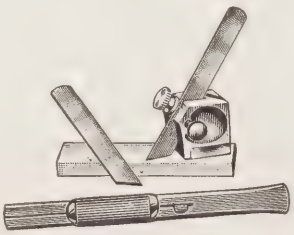
Adjustable for standing or sitting position. This table is made entirely of metal, except the top. It is enameled in imitation mahogany and makes a splendid appearance. The top is made of three-ply basswood, revolves into any position whatsoever, and is quickly detachable. It is the only practical combination drawing board or easel with revolving top that can be tilted, raised or lowered without unscrewing or tightening of bolts and nuts.

22x30-inch Revolving Top	$16.00
24x36-inch Revolving Top	18.00
30x40-inch Revolving Top	20.00
22x30-inch Stationary Top	14.00
24x36-inch Stationary Top	16.00
30x40-inch Stationary Top	18.00

Three-ply Basswood Tops:
22x30 in., $3.00 24x36 in., $4.00 30x40 in., $5.00

Double Swinging Arm and Material Drawer, as illustrated, extra $5.00

Roberts Etching Tool and Sharpener



A fine tool for etching. Easy to keep in first class condition. Complete with an extra two edge blade, selected sharpening stone and holder to insure the correct angle of the blade while sharpening.

Etching tool and sharpener, complete	$3.00
Extra single edge blade, each	.40
Extra double edge blade, each	.40
Extra sharpening holder, each	.90
Extra special oil stone, each	.75

Eastman Etching Knife

This highly tempered knife is shaped to promote both speed and certainty in etching. It is 5¾ inches in length. Each knife is enclosed in a fabric covered case, backed with fine emery paper for stropping purposes.

Each $1.50

Premier Etching Knife

A necessary article made of fine grade steel with double blade properly designed for retouching.

Each $1.50

Estima Retouching Set

The blades are made from the finest razor steel, carefully hardened. Two of the knives have beveled edges suited for shaving as well as cutting. The handles are round.

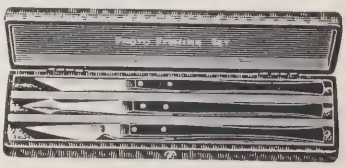
Set of three knives in case $2.25

Artist Holder Etching Set

It consists of a holder and three blades which may be interchanged as desired without loss of time or bother. Extra blades are furnished in the three styles.

Set, complete	$1.25
Extra blades, each, any style	.35

Photo Etching Set



Consists of three knives of the best steel properly hardened and carefully treated.

Set in case $2.00

Eastman Retouching or Magnifying Glass

These lenses are double convex, of white glass, and accurately ground to suitable foci for retouching. They afford the bright image of moderate magnification required for fine retouching, and are securely incased in a nickel rim with ebonized handle.

2½-inch	3-inch	3½-inch	4-inch
$2.00	$2.25	$2.75	$3.25

Majestic Magnifying Glasses

These high grade glasses have been used by photographers and retouchers for years. They are first quality, well finished and highly polished.

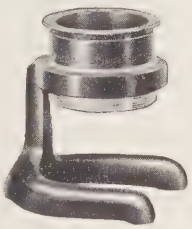
2½ in. diam. . . .	$ .75	3½ in. diam. . . .	$1.25
3 in. diam. . . .	1.00	4 in. diam. . . .	1.50

Majestic Magnifying Glass Holder

Will hold the retouching glass in any position. Extremely simple to adjust, leaves both hands free to work. Furnished in two styles, one that clamps to the edge of the table or bench, the other is set into a base that may be screwed to the desk or table.

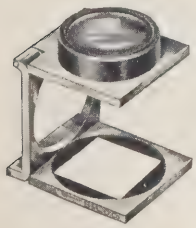
Either style $2.00

Utility Magnifier



This is a splendid substantial instrument for desk or workroom use. Its achromatic objective is finely constructed, affording a flat, sharply defined field of view. The optical system is threaded for focusing and screws in the sturdy black enameled base.

Power 4.5 . . . . . $7.50



Linen Tester

A fine small magnifier. Many uses may be found for it in the studio; for example, when examining negatives, the quality of the retouching may be minutely inspected.

Power 3.75 . . . . . $4.00
Power 5 . . . . . 4.50

B. & L. Rectangular Reading Glasses

The shape of this glass tends to eliminate the useless edge of the lens. The rim is of nickel and the handle of ebonized wood. The reader with the offset handle is very desirable for retouching, it is easy to hold in a natural position. The lens is 3⅜x1¾ inches, 9-inch focus.

With Regular or Offset handle, each $3.50

Achromatic Reading Glass No. 8172

An excellent reading glass with double semi-achromatic lenses which give large, correct images right to the edge of the glass.

2¾ inches in diameter, each $3.50
3⅜ inches in diameter, each 4.80

B. & L. Reducing Glass

Used by artists to visualize the reduction of photographs, drawings and other illustrations. The double concave lens is 3 inches in diameter.

With scale marked on lens, each $7.50
Without scale, each 3.00

B. & L. Crystal and Gold Reading Glass

A beautiful glass suitable for use on your reception room table. The rim and ferrule are of smoothly polished and heavily plated gold. The rim is half inch wide, affording protection to the 3½-inch diameter lens which is of the best optical properties. The hexagonal handle of crystal white glass is polished like a lens.

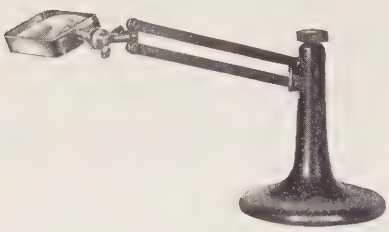
Each $6.50

Achromatic Watchmakers' Glass

The lens is an achromatically corrected combination, giving a sharp, flat field of view to the margin. It will yield sharper images and greater contrast than ordinary glasses. 2 or 3-inch focus.

Each $2.40

B. & L. Magnifier with Adjustable Stand



The arm, which may be adjusted vertically or swung horizontally, holds the magnifier.

Undue strain on one eye is eliminated by the shape of the glass which permits the full use of both eyes.

A special lighting unit is offered that may be attached easily to the magnifying glass. The light is so shaded that the rays are directed on the object under observation, no annoying light striking the eyes.

PRICES

Magnifier with stand	$12.00
Shaded illuminating attachment, complete with bulb, cord and plug	7.00
115-volt, 15-watt, frosted tubular bulb	1.25

Pocket Magnifier

The lens of this magnifier has a flat handle 1 inch in diameter and is mounted in a demi-amber zylonite frame. It can be carried conveniently in the vest pocket.

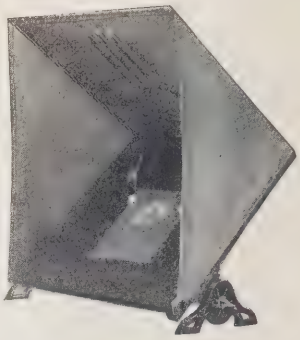
Each $0.60

Magnarule

Combined magnifier, rule and letter opener. The transparent handle is engraved in inches to $\frac{1}{32}$ on one edge and in centimeters on the other. An attractive and useful instrument.

Each $1.00

Century Folding Retouching Frame



This frame accommodates negatives of any size up to 11x14. With its light excluding canvas hood, and its wood base, it is serviceable and light and folds compactly. Pockets in the canvas top afford an accessible holder for pencils and etching tools. The angle of the negative platform is easily adjusted to the position most convenient for the worker. Rubber tipped fingers hold the negative firmly in place.

Each $5.50

Red Sable Spotting Brush

Of excellent quality. For spotting prints or negatives. Twelve sizes of camel's hair tufts offering a selection for every requirement.

Nos. 1 to 6	Nos. 7 to 9	Nos. 10 to 12
$0.15	$0.20	$0.25

Spotting Brushes

A superior brand of brushes that will keep a fine point without trouble. Very satisfactory for spotting or coloring. May be had in nine sizes.

No. 00	$0.35
No. 0	.35
No. 1	.40
No. 2	.45
No. 3	.55
No. 4	.65
No. 5	.75
No. 6	1.10
No. 7	1.40

Artist Stump

For properly shading crayon sauce, blending colors or reducing a color in painting. Supplied in paper and leather in six sizes.

Yellow Leather, per dozen:

No. 1	$1.50	No. 4	$2.40
No. 2	1.70	No. 5	3.00
No. 3	2.00	No. 6	3.75

Paper, per dozen:

No. 1	$0.20	No. 4	$0.35
No. 2	.25	No. 5	.45
No. 3	.30	No. 6	.50

Eastman Pencils

The Eastman Negative Pencil is made especially for working on film surfaces, for sketching in backgrounds on the glass side of negatives, building up shadows, titling negatives; also for labeling solution bottles, trays, etc.

The Eastman Photo, and Eastman Sepia Spotting Pencils for spotting photographs, are far more satisfactory than the old method requiring India ink or moist color.

Eastman Negative Pencil
Eastman Photo Spotting Pencil
Eastman Sepia Spotting Pencil

Each . . . . . $0.15 Dozen $1.60

Black Chalk Ever-Pointed Pencil

This refillable pencil is useful for retouching as it will not leave a sheen on the surface.

Made in 5 degrees: No. 1, very soft; No. 2, soft; No. 3, medium; No. 4, hard; No. 5, very hard.

Holder and one lead $0.35
Box of 6 refills 25

"Castell" Artist's Pencil

A handy pencil of permanent length, always ready for use. Made in 16 degrees of hardness from 6B to 8H.

Pencil with one lead $0.45
Refills, 6 leads in a box 55

"Castell" Retouching Pencil

Hexagon, green polish, wooden pencil. It may be had in 16 degrees of hardness from 6B to 8H.

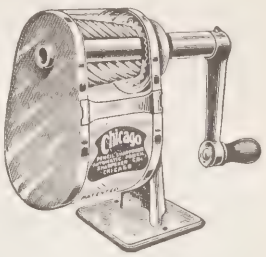
Each $0.15

Faber White Pencils

A thin white crayon in a wooden pencil. Ideal for marking on black paper, etc., and for album use.

Each $0.10

Chicago Pencil Sharpener



Will sharpen standard size pencils only. Equipped with twin milling cutters of solid steel and is provided with a stop which causes cutting to cease after point is produced.

Each $1.25

Majestic Pencil Pointer

Consists of sheets of sandpaper attached to a small board for keeping a point on the lead.

Each $0.10

China Marking Pencil

A good grade blue crayon in a paper pencil. Easy to keep pointed.

Each $0.15

"Koh-I-Noor" Artist's Pencil

Permanently uniform in length, and a long point is always present in this pencil. The leads are made in 17 degrees, from 6B to 9H.

Each $0.50
Box of 6 refill leads 60

"Koh-I-Noor" Drawing Pencils

The scientific accuracy of each of its seventeen degrees is a source of gratification and satisfaction to its users. A hexagon, yellow polished pencil, offered in 17 degrees, from 6B to 9H.

Each $0.15

Venus Artist's Pencil

This pencil is 6¼ inches long with metal cap and will last indefinitely. Furnished in 15 degrees of hardness from 4B to 9H.

Pencil with one lead $0.25
Refills, 6 leads in a box 50

NOTE: All refill leads are packed six in a box. These boxes will not be broken.

Venus Retouching Pencil

A fine grade wooden pencil furnished in 17 degrees of hardness from 6B to 9H for retouching.

Each $0.10

Wolff Spotting Pencils

A well known and favorite wooden spotting pencil. Made in 6 degrees.

B, BB, HB, H and HH, each $0.15
BBB, each 30

Art Gum Eraser

Ideal for erasing without injuring the surface of the paper.

Each $0.10

Rush Eraser

Will erase from all surfaces, may be used for local reduction on film or plate. Consists of holder and fine spun glass filler.

Each $0.50
Refills, each 15

Faber Kneaded Eraser

A soft eraser suitable for art and cleaning purposes.

Each $0.10

Eastman Retouching Fluid

This fluid gives excellent tooth for pencil and allows of much building up. Either soft or hard pencils may be used.

In one ounce bottles, per bottle $0.25

Hammer Retouching Varnish

Flows evenly over the negative to give tooth to the retouching pencil. Dries quickly and will not cause paper to stick to coated negative. In two sizes.

8 ounces . . . . . $0.35 16 ounces $0.60

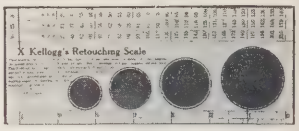
Eastman Abrasive Reducer

A finely ground abrasive in paste form that gives quick and satisfactory results in local reduction.

Per can $0.50

Kellogg's Retouching Scale

Shows at a glance the cost of retouching. Serves as a ruler and has a set of cut-outs for watch and locket photos.



Each $0.50

Eastman Spotting Colors

For spotting prints or negatives. Consists of a set of three colors: black, white and sepia, on cellulose cards which may be used as a palette.

Price, per set $0.25

Victor Spotting Colors

Correct color medium for spotting or retouching photographic prints in various tones. There are four colors: black, white, brown and sepia. They are supplied in two very convenient forms; on celluloid sheets (Nos. 0 and 1) and in opal glass jars (No. 2).

No. 0—Black, photo brown and sepia shades, per set $0.20
No. 1—Black, white, photo brown and sepia, per set .45
No. 2—Black, white, photo brown and sepia, per set .80
No. 2—Any single shade, each 20

Master Opake (Red)

A dark Indian red opaque in paste form, may be used quite thin. Will not sour, mould, crack or chip off and will work in ruling pen or airbrush.

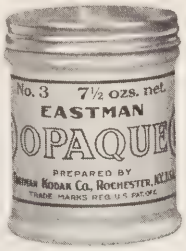
½-oz. jar holding 1 oz. Opake . . . . . $ 0.25
1¼-oz. jar holding 2¼ oz. Opake 50
4-oz. jar holding 11 oz. Opake 1.00
8-oz. jar holding 23 oz. Opake 1.75
16-oz. jar holding 47 oz. Opake 3.00
Quart jar 6.00
½-gallon jar 10.00
1-gallon jar 18.00

Master "No-Crack" Opaque (Black)

Works very thin and can easily be removed from negative with cotton and water. It will not crack on the negative or chip in cutting.

One size only, 2-oz. $1.00

Eastman Universal Opaque



An excellent opaque for use on either film or plate negatives for blocking out backgrounds.

No. 1, 1 oz. jar	$0.25
No. 2, 2½ oz. jar	.50
No. 3, 7½ oz. jar	1.00
No. 4, 18½ oz. jar	2.00

Eastman Opaque

A carefully prepared product especially selected for use on plate negatives only. It is quick acting and easily applied.

No. 1, per tube	$0.25
No. 2, per tube	.40

Alvord's Opaque

Dries quick, smooth and flat, and will mix with Chinese white, or any other water color. Will not sour, mold, crack or chip off, stick to or discolor paper while printing.

No. 0—1 oz.	$0.25	No. 3—20 oz.	$ 2.00
No. 1—2½ oz.	.50	No. 9—Quart	8.00
No. 2—7 oz.	1.00	No. 10—½ gal.	15.00

Eclipse Opaque

Will not chip or crack and is fast working and quick drying. The finest lines can be cut through it with a sharp blade.

No. 0— 4½-oz. jar	$0.75
No. 1— 8 -oz. jar	1.25
No. 2—16 -oz. jar	2.25

Victor Opaque

In paste form which is easily diluted with water to desired consistency for application with either a soft brush or pen. It produces a thin, smooth, hard coating of certain opacity. It does not peel, crack or rub off.

No. 0— ¾-oz. opal glass jar	$0.25
No. 1— 2½-oz. opal glass jar	.50
No. 2— 7 -oz. opal glass jar	1.00
No. 3—20 -oz. opal glass jar	2.00

Barlow's Opaque

This opaque is concentrated, black, lies flat. will not crack or chip and can be used in ruling pens or airbrushes.

One size only, 2-oz. jar $1.75

Carter's Inks

Furnished in three colors which will be useful to the photographer.

Brown:—Suitable for use on sepia or dark prints and it may be used in a fountain pen.

Gold:—A rich lustrous gold ink suitable for fancy writing with an ordinary pen.

White: A fine contrast ink for use on photo mounts and in albums.

Price, any color $0 20

Young's White Ink

This ink will answer all purposes of a good white ink. Useful to identify pictures in albums.

One bottle $0.25

Higgins' Colored Inks

All of the colors are waterproof when dry. They can be freely thinned with distilled water to produce light tints, and can be mixed with each other to obtain various shades and tints. When sufficiently diluted, will be found superior for tinting photographs, for color retouching and for use in the airbrush.

Colors

Carmine	Blue	Scarlet
Brick-Red	Vermilion	Violet
Orange	Indigo	White (Opaque)
Green	Brown	Yellow

White may be mixed with the colored inks to render them opaque.

Any color, per bottle $0.25

Eastman India Ink

Supplied in stick form for spotting negatives or prints. This ink is of the highest quality.

India Ink, per stick $0.15

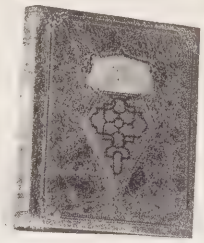
Higgins' India Ink

This ink is insoluble when dry. It will withstand handling, moisture or color washes.

¾-oz. bottle, each $0.25

Library Albums

Black Leather
Library Album



De Luxe
Library Album

These two Library Album styles fill the demand for albums in book form, readily placed in the bookcase when not wanted. In keeping with the idea of a book style, the words "Kodak Library" are stamped in gold on the rounded back.

Choice of genuine seal grain, black leather, finished on cover with a pressed book design—and DeLuxe artificial leather cover, ornamented with an exclusive book design and artistically colored.

The loose-leaf arrangement for holding the fifty black leaves is inside the cover—therefore, there are no projections to mar table or desk on which album may be placed.

B, Black leather, 6½x9 (size of leaf from folding edge)	$3.25
M, De Luxe artificial leather, 6½x9 (size of leaf from folding edge)	2.50
Extra leaves, package of 12, size L	.18

The Rhodes Album

Loose leaf, open-back style—choice of genuine black grain leather or embossed black book cloth, with 50 black leaves held in place by metal tubes and cord through cover. Cover stamped in foil with word "Photographs."

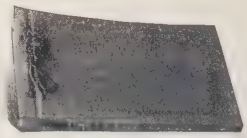
5x8, CA, cloth	$0.90	LA, leather	$2.00
7x11, CB, cloth	1.25	LB, leather	2.75
8x10, CE, cloth	1.50	LE, leather	3.10
10x12, CC, cloth	2.00	LC, leather	4.50
11x14, CD, cloth	2.25	LD, leather	5.00

Package of 12 extra leaves, Size A (5x8) $0.15;
Size B (7x11) $0.18; Size K (8x10) $0.20;
Size C (10x12) $0.30; Size E (11x14) $0.40

Additional Albums

Other attractive and special albums suitable for resale are listed in the "Kodak" catalog. Write for a copy.

The Juno Album



Loose-leaf, open-back style. Fifty black loose leaves held in place by metal tubing and cord through covers. Brown or black embossed English grain imitation leather cover. The word "Photographs" stamped in gilt on cover.

5x 8, BA, brown or CA, black	$1.10	10x12, BC, brown or CC, black	$2.25
7x11, BB, brown or CB, black	1.50	11x14, BD, brown or CD, black	2.50

Package of 12 extra leaves, Size A (5x8) $0.15;
Size B (7x11) $0.18;
Size C (10x12) $0.30; Size E (11x14) $0.40

The Palermo Album

Loose-leaf—closed back style. Cover is one piece, fine quality artificial leather and surfaced in a baby walrus grain effect. The leaves are held in place by a silk finished cord through cover. Choice of black cover with black leaves; grey cover—grey leaves; brown cover—brown leaves. Cover is stamped in gilt with the word "Snapshots." A new looking album at a reasonable price.

B-1, 7x11, Black Cover, Black Leaves	$1.75	D-1, 11x14, Black Cover, Black Leaves	$2.75
B-2, 7x11, Grey Cover, Grey Leaves	1.75	D-2, 11x14, Grey Cover, Grey Leaves	2.75
B-3, 7x11, Brown Cover, Brown Leaves	1.75	D-3, 11x14, Brown Cover, Brown Leaves	2.75

Package of 12 extra leaves, Size B, 7x11, Black $0.18; Size S, 7x11, Grey $0.25; Size X, 7x11, Brown $0.25; Size E, 11x14, Black $0.40; Size T, 11x14, Grey $0.50; Size O, 11x14, Brown $0.50

Kodak Liquid Glue

A fine glue for print tipping as well as for general use. The tube with its pencil shaped tip is convenient to use while the cap keeps the glue off the fingers. An excellent, quick drying glue specially suited for photographic mounting.

Per tube $0.15

Commercial Photo Binders

Here are two specially designed albums for commercial prints. They are just right in size, made strong and durable in loose-leaf style with loose-leaf holder entirely within the cover.

"A" style is made of artificial leather. The "B" style has a genuine black cowhide leather cover, seal grain. Regular album leaves can be used or prints can be mounted on Photo Cloth, single or double faced. The price includes album and screw posts only.

Size	Series "A" Artificial Leather Cover Each	Series "B" Genuine Leather Cover Each	Leaves Per Pkg. of 12
5x 7	$1.25	$1.75	$0.15
8x10	1.50	2.50	.20
10x12	2.25	4.00	.30
11x14	2.75	4.50	.40

Eastman Gum Paper

Consists of a half-inch strip of either black or white paper wound in 300-yard rolls with strong adhesive on one side only.

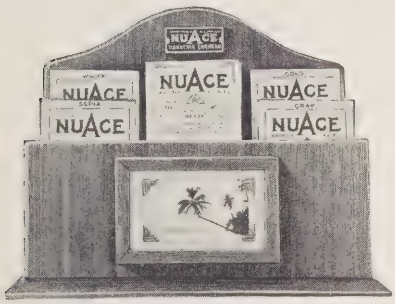
Gum Paper, per roll $0.75

Eastman Double Coated Mounting Tape

Consists of a strip of thin, tough white paper one-half inch in width, coated with adhesive on both sides.

100-foot rolls $0.25

NuAce Mounting Corners



A neat device for holding prints, snapshots or postcards in albums or elsewhere. It is made in the form of a pocket and requires no folding. Made in one style in five colors: black, white, sepia, gray and gold. 100 corners in a package, except gold which contains 60 corners.

One package $0.10

For resale.

One box (100 packages) 6.00

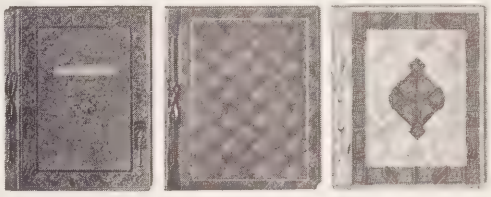
6 boxes or more, per box 5.60

The Home Album

Home albums are constant reminders that up-to-date photographs are needed. They keep the photographs where they can be seen instead of being relegated to some trunk or dresser drawer. It is worth while for all studios to get back of the Home Album portrait idea. It makes for a better, a greater and a more substantial business.

The selling plan is this: The initial sale to the customer is the binder, which, when sold at list price, nets the studio 100% profit. The cost of the leaves is included in the service charge, which, of course, will vary according to the work done.

The customers deliver to the studio the portraits they want mounted. This, incidentally, also gives the studio the opportunity to suggest new prints, copies, or enlargements.



Style A Style B Style C

Choice of three covers. Styles A-1 and A-2 are artificial leather, Spanish grained, multi-toned, in dark green and seal brown. Style B has a genuine leather cover in olive green, surfaced in a beautiful pine-needle effect, and lined and ornamented in genuine gold leaf. Style C—the best of all—is a new leather creation, polychromed calfskin, suede finish, artistically ornamented in multi colors in an art nouveau pattern.

They are loose-leaf styles. The leaves, in a neutral shade, are the same for all three albums. This means they are interchangeable and also means less stock to carry. These leaves are cloth hinged and each leaf supplied with a featherweight fly-leaf as a protection to the portrait. All 11½x14¼ outside size. Each cover boxed individually.

Album Number	Selling Price, each
A-1—Olive green—Deluxe Artificial Leather . . .	$ 5.00
A-2—Hazel Brown—Deluxe Artificial Leather . .	5.00
B —Olive Green—Genuine Leather	15.00
C —Polychrome—Genuine Calfskin	25.00

(Studio Discount 50%)

Leaves—neutral color only—one style for all albums, including fly-leaf—(*25 in a carton*), each, net . . $0.20

Majestic Mounting Iron

Heat Controlled
Alternating Current Only

A first-class iron for taking care of all small mounting jobs through the use of Kodak Dry Mounting Tissues. Offered for use on Alternating Current only, it can be attached to any outlet supplying this current.

It heats quickly and helps considerably in getting the work done and out of the way.

Price $9.50

Gum Tape

Furnished in black or white paper, one-half inch wide and wound in 800-foot rolls. A strong adhesive is coated on one side only.

800-foot rolls $0.50

Le Page's Glue

Known for its strength and quality in a diversity of uses. Will fulfil all requirements of the photographic workroom. Supplied in tins in the following sizes:

1 gill	$0.25	1 pint	$0.70
½ pint	.40	1 quart	1.15
1 gallon	$3.50		

Surestick

A white liquid photographic glue. No odor, always ready, sticks quickly, does not draw, discolor, or harm your prints, will not get stiff when exposed to air. For use any place a high grade adhesive is required. Vacuum dispensors may be refilled.

Vacuum Dispensors

Half pint.	$0.55	Pint	$0.90

Plain Jars

Half pint.	$0.50	Pint	$0.85
Quart	1.50	Gallon	5.00

Engel's Art Corners

A most convenient means for mounting pictures of any size in a quick way in any position, on anything and anywhere. Especially recommended for album work.

May be had in seven styles; round, oval, heart, square, fancy, four square and four round.

All of these styles are made up in a variety of colors. 100 corners to a package.

One package, any color	$0.10
To photographers for resale.	
1 box (50 packages)	3.00
6 boxes or more, per box	2.80

Higgins' Photo-Mounter

This adhesive is especially manufactured for photograph and other mounting work. It is guaranteed *not* to warp, wrinkle or discolor even the most delicate print, paper or mounting. Possesses exceptional adhesive tenacity. Spreads easily and smoothly.

3-ounce jar	$0.20
6-ounce jar	.35
14-ounce jar	.75

Higgins' Vegetable Glue

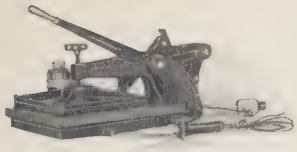
An all-round, low priced vegetable glue for use in the studio workroom. For sticking cloth or paper to each other, or to wood, glass, metal or leather.

½-lb. can	$0.25	1-lb. can	$0.45
5-lb. can	$1.50		

Carter's Glue Pencil

A glue of great strength easily applied by means of this pencil $0.20

Kodak Dry Mounting Press



Dry mounting is the logical means of attaching the print to the mount because there is no moisture in the adhesive and as a result the gelatine of the print does not expand and contract as is inevitably the case when paste or other moist adhesives are used.

The Kodak Dry Mounting Press furnishes the ideal method of using Kodak Dry Mounting Tissue. The process is rapid, the prints lie flat even on thin mounts and single or double weight prints are handled with equally satisfactory results. The mounting tissue is moisture proof, giving the print an added protection and helping it to retain the good appearance it has when it leaves your studio. Prints may be single or double mounted on cards or in folders.

The press consists of a flat bed to which is hinged a metal platen heated by electricity. After a piece of mounting tissue has been lightly "tacked" or stuck to the back of the prints by means of the electrically heated Tacking Iron supplied, they are then trimmed, tacked to the mount and placed face up on the bed of the press, covered with a thin cardboard and the heated platen is brought into contact by pulling a lever. A few seconds pressure suffices to mount them smoothly and permanently.

The Kodak Dry Mounting Press has an 11x14 platen and by giving repeated impressions, may be used for prints of twice the width of the press bed and any length.

The price includes an electrically heated Tacking Iron, cord and plugs. The Press as regularly furnished is for 110–125 volt circuits. If wanted for 220-volt circuits, please specify.

PRICES

Kodak Dry Mounting Press; 11x14, including electrically-heated tacking iron	$65.00
Extra Electric Tacking Irons, each	8.00

Kodak Dry Mounting Tissue

Unquestionably, it offers the best and quickest method for mounting prints permanently and properly that is known to photographers today.

Kodak Dry Mounting Tissue is an adhesive that sticks without moisture—therefore, prints will not curl or cockle even on the thinnest mount.

In use, a sheet of tissue is tacked to the back of the print by touching it with the tip of the Electric Tacking Iron or with any iron heated to the proper point. Pressure under the platen of the Dry Mounting Press or under an iron similar to the Majestic, causes immediate and permanent adherence.

PRICES

Sizes	Pkg.	Per Pkg.	Per Gross
1 11/16 x 2 1/8	3 doz.	$0.10	$0.25
1 5/8 x 2 1/2	3 doz.	.10	.25
2 1/4 x 3 1/4	3 doz.	.10	.25
2 1/2 x 4 1/4	3 doz.	.10	.30
2 7/8 x 4 7/8	3 doz.	.10	.30
3 1/2 x 3 1/2	3 doz.	.10	.30
3 1/4 x 4 1/4	3 doz.	.10	.30
3 1/4 x 5 1/2	2 doz.	.10	.50
3 7/8 x 5 1/2 Cabinet	2 doz.	.10	.50
4 x 5	2 doz.	.10	.50
4 x 6	1 doz.	.10	.75
4 1/4 x 6 1/2	1 doz.	.10	.75
5 x 7	1 doz.	.10	1.00
5 x 8	1 doz.	.10	1.00
3 1/2 x 12	1 doz.	.10	1.00
5 1/2 x 7 3/4	1 doz.	.10	1.00
6 x 8	1 doz.	.15	1.50
6 1/2 x 8 1/2	1 doz.	.15	1.50
7 x 9	1 doz.	.15	1.50
7 1/2 x 9 1/2	1 doz.	.20	1.90
8 x10	1 doz.	.20	1.90
7 x11	1 doz.	.20	1.90
10 x12	1 doz.	.30	3.10
11 x14	1 doz.	.40	3.75
12 x15	1 doz.	.45	4.40
14 x17	1 doz.	.55	5.60
16 x20	1 doz.	.75	7.50
17 x20	1 doz.	.80	8.10
18 x22	1 doz.	.95	9.40

Rolls

5 yards, 20 inches wide, per roll	$0.65
10 yards, 20 inches wide, per roll	1.30

Eastman Photo Paste

A high quality paste. It is white, and stays white, its special composition therefore avoiding the discoloration of print and mount.

4-ounce jar	$ .25
½-gallon can	1.55
1-gallon can	2.85

Kodak Photo Paste

An excellent white adhesive, both for mounting prints and for general household use. The tapered friction cap quickly seals the tube and, as it is weighted, will not tip over when withdrawn from the tube.

1 1/8-ounce tube	$0.10
2-ounce tube	.15

Eastman Metal Trimmer

Consistent accuracy is the chief merit of this all-metal trimmer. The self-sharpening knife is of high grade tempered steel, so shaped and mounted as to cut with the minimum of effort and with perfect registry.

The metal table is marked off in half-inch squares. These marks are engraved into the surface, not merely painted on and the surface is then given a highly polished enamel finish.

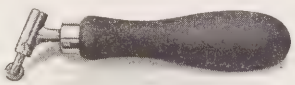
A brass ruler is attached to the table and a transparent trimming gauge is supplied. There are three sizes: No. 10—10 inches wide; No. 15—15 inches and No. 20—20 inches.

No. 10	No. 15	No. 20
$15.00	$20.00	$25.00

Eastman Margin Gauge

A margin gauge which clamps to the brass ruler of the Nos. 15 and 20 trimmers consists of a strip of brass at right angles to the trimming knife. It facilitates the trimming of prints with white margins of any width. $3.50

Eastman Revolving Print Trimmer



A tool steel cutting wheel mounted in a wood handle for trimming prints in cutting forms. The wheel and post are removable.

Revolving Print Trimmer $1.25
Extra Post and Wheel 35

Manufacturer's Trimmer No. 4261

The cutter for heavy work in print shop or studio. Made with adjustable gauge and automatic binder which holds the work securely in place.

24-inch blade. Price $63.00

Special Attachment for Manufacturer's Cutter No. 4262

With the automatic spring gauge which can be easily attached to the Manufacturer's cutter it is possible to cut strips down to ¼ inch in width.

Price $7.50

R. O. C. Trimmer

A trimmer of unusual merit at a very low price. The bed is of wood, marked in half-inch squares. Has accurate wooden rule, substantial metal standards, and a knife of fine quality.

All metal parts neatly enameled in black. Four sizes: No. 1—6 inches wide; No. 2—8 inches; No. 3—10 inches; and No. 4—12 inches.

Transparent Trimming Gauges insure exact cutting with the entire sheet visible. They are supplied extra.

	No. 1	No. 2	No. 3	No. 4
R. O. C. Trimmer	$3.00	$3.75	$4.50	$5.00
Transparent Trimming Gauge	.75	.75	.75	.75

Monarch Trimmer No. 4362

Made with a ruled table and an adjustable attachment which holds the blade upraised ready for instant use.

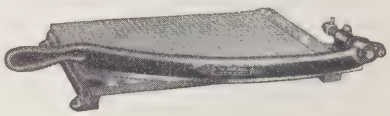
12-inch blade. Price $9.00

Popular Trimmer No. 4272

The ruled table is also a feature of this trimmer, providing a perfect cutting guide at any point on the board. Large enough for all ordinary studio work.

15-inch blade. Price $13.00

Crown Trimmer No. 4619



This trimmer is made with the ruled table and adjustable joint, and the blade is equipped with an adjustable spring which holds it upraised at any desired height, ready for the next cut.

15-inch Self-Lifting Blade. Price $20.00

Springfield Trimmer No. 4336

Has 24-inch blade, plain table with adjustable squaring gauge, but has no front gauge or binder.

Price $32.00

A Complete Stock of Mounts and Folders

Our stock of photographic folders and card stocks is kept up-to-the-minute and includes the best offerings of the leading mount manufacturers. Photographers can order from us in reasonable, usable quantities—thus avoiding the great loss which results when styles change from season to season.

Let us carry your stock for you. It pays, not only from the saving standpoint but from the chance which it gives you to show a variety of mountings suitable for every class of customer.

Complete catalogs of current mountings are made up by the manufacturers to introduce their seasonal offerings. These will be sent on request. The individual illustrations and descriptions will aid in selecting samples to display to your customers, and in ordering a supply from us.

The Remington

The Remington is a standard mount made for groups and view work in the 5x7 and 7x11 sizes. The colors are Light Grey and Artist Brown.

This is our most popular and consistent repeat seller in a heavy weight mounting. It is splendid for better priced wedding, family or other groups. For commercial prints, mounted solid, it has no equal.

The stock is extra heavy and the design has been brought up in colors and the edges beveled.

SPECIFICATIONS

(*A, 50 in a box—All others 25 in a box*)

Number	Color	For Prints	Size Outside	Price, per 100
A-2	Grey	5 x 7	7⅞x 9⅞	$ 5.50
A-3	Brown	5 x 7	7⅞x 9⅞	5.50
B-2	Grey	6½x 8½	9⅞x11⅞	7.50
B-3	Brown	6½x 8½	9⅞x11⅞	7.50
C-2	Grey	8 x10	11⅝x13⅝	9.00
C-3	Brown	8 x10	11⅝x13⅝	9.00
D-2	Grey	6 x10	9⅝x13⅝	9.00
D-3	Brown	6 x10	9⅝x13⅝	9.00
E-2	Grey	7 x11	10⅞x14⅞	11.00
E-3	Brown	7 x11	10⅞x14⅞	11.00

The Rio Vista

The Rio Vista is an inslip mount which will be found suitable for all around work, and for horizontal and vertical prints.

The base card is heavy—with beveled edges—excepting on the "F" and "E" sizes which have straight edges. The top card is of Varitone enamel stock in deep shades of Grey and Brown with surface stock in a leather pattern.

The design is a frame-like effect—a conservative pattern suitable for all uses.

SPECIFICATIONS

(*A, B, C, D and G, 50 in a box—E and F, 25 in a box*)

Number	Color	For Prints	Size Outside	Price, per 100
A-1	Grey	5 x 7	8 x10	$7.00
A-2	Brown	5 x 7	8 x10	7.00
B-1	Grey	6½x 8½	10 x12	9.00
B-2	Brown	6½x 8½	10 x12	9.00
G-1	Grey	6 x10	10⅜x13½	10.50
G-2	Brown	6 x10	10⅜x13½	10.50
C-1	Grey	8 x10	11⅞x13⅞	11.00
C-2	Brown	8 x10	11⅞x13⅞	11.00
D-1	Grey	7 x11	10⅞x14⅞	13.50
D-2	Brown	7 x11	10⅞x14⅞	13.50
E-1	Grey	7 x17	10⅞x20⅞	20.00
E-2	Brown	7 x17	10⅞x20⅞	20.00
F-1	Grey	11 x14	16 x19	25.00
F-2	Brown	11 x14	16 x19	25.00

Write for Current Mount Catalogs

De Luxe Enlargement Mount

A high grade quality stock for dry mounting. All edges deckled. White and India Buff color. The insert delicately tinted and set in a plate sunk. The best dress for the favorite enlargement.

No.	Color	For Prints	Size of Mount	Price Per Doz.	Price Per 100
A-1	White	3¼x 5½	7¼x 9½	$0.75	$5.25
A-2	India	3¼x 5½	7¼x 9½	.75	5.25
D-1	White	5 x 7	9⅛x11⅛	1.00	7.25
D-2	India	5 x 7	9⅛x11⅛	1.00	7.25
E-1	White	5 x 8½	9½x12½	1.10	8.00
E-2	India	5 x 8½	9½x12⅝	1.10	8.00
F-1	White	6½x 8½	10¾x12¾	1.20	8.75
F-2	India	6½x 8½	10¾x12¾	1.20	8.75
G-1	White	6 x10	10 x14	1.40	10.00
G-2	India	6 x10	10 x14	1.40	10.00
H-1	White	8 x10	12 x14	1.50	10.50
H-2	India	8 x10	12 x14	1.50	10.50
J-1	White	7 x11	11 x15	1.56	11.00
J-2	India	7 x11	11 x15	1.56	11.00

Cloth Hangers

A suspension ring of strong, grey cloth, gummed on one side, with metal eyelet. Handy for hanging light weight pictures, drawings and the like.

25 in a box $0.25
Carton (12 boxes) 2.50
Bulk—100 in a box 70

Metal Hangers

A metal ring, with attached fastener. Very strong and easily affixed. The style generally used with passepartout pictures.

1 doz. in a box $0.15
Carton (12 boxes) 1.50
Bulk—1 gross in a box 1.00

Moore Pushless Hangers

These hangers are composed of brass plated steel hooks with tool tempered steel nails. "Scientifically constructed for strength."

No.	Holds	In Packet	Price
24	10 lbs.	10	$0.10
25	20 lbs.	6	.10
27	50 lbs.	3	.10
28	100 lbs.	2	.10

Moore Push-Pins

Glass heads—Steel points

A well known handy product with many uses. Packet contains 6 No. 1 (small) or No. 2 (large) pins.

One packet $0.10

Cardboards

Steamer Brand—Thickness 1/16″

Straight edges—in Duplex colors—Carbon Black and Scotch Grey.

	Per 100
7x 9	$1.75
8x10	2.50
9x11	3.00
10x12	3.75
11x14	4.00
22x28	15.00

Cruiser Brand—Thickness 3/32″

Straight edges—Colors, Light Grey and Artist Brown.

	Per 100
8x10	$3.50
10x12	4.75
11x14	5.00
22x28	20.00

Yacht Brand—Thickness 1/8″

Straight edges—Colors, Artist Brown, Light Grey and White. A very heavy weight board of the best material.

	Per 100
8x10	$ 4.00
10x12	6.00
11x14	6.25
22x28	22.50

Maptacks—Crystal, Grey or Sepia

A steel point set in a round, glass head which may be had in crystal, grey and sepia. A neat means of displaying photographs.

Box (12 in a box) $0.10

One-Piece Thumbtacks

Made of superior steel for all uses. Has a fine needle-like point.

No. 41—⅜-inch point, 36 in a box.
No. 42—7/16-inch point, 30 in a box.
No. 43—½-inch point, 24 in a box.

One box $0.10

Solid Brass Thumbtacks

A strong, well pointed thumbtack. Neat appearing for a special display.

No. 31—⅜-inch point, 12 tacks to a block $0.10
No. 32—½-inch point, 10 tacks to a block 10
No. 33—⅝-inch point, 8 tacks to a block 10

Enamel Colored Thumbtacks

Just the thing for a special attraction. May be had in three colors, red, white or blue.

⅜-inch point, 12 tacks to a block $0.10

Write for Special Frame Circular

FRAME styles, like mount styles, change frequently and it is good practice not to carry too large a stock of any one style. We carry a large variety of frames suitable for almost every possible use and our entire assortment is yours to draw from. You do not have to load up on any one number, choose an assortment and re-order as you need additional numbers. In this way your stock will always be up-to-the-minute and you will not have to take a loss on obsolete numbers at the season's end.

Illustrated Folders are issued frequently showing all the latest and best frames available and a copy will be sent you, on request.

K. & S. Brad Driver and Puller

This framing tool is much in demand as it assists greatly in framing pictures properly and quickly. It will drive the brads into the wood without damaging the frame in any way. Also, when required it will, simply by reversing the tool, draw the brads out.

Price $2.25

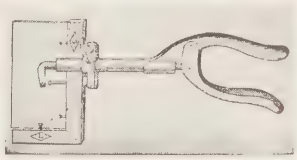
Red Devil Glass Cutter

"It's all in the wheel"

Photographers will find this glass cutter both handy and convenient. The cutting wheel is made of the finest carbon steel and cuts to a true straight edge.

Price $0.25

Rochester Framing Tool



The Rochester Framing Tool is well known to most photographers as it has been on the market for years and is in constant use in many studios. It is quick in action and so constructed that it will not damage or mar the frame regardless of the style or size of moulding.

Price $2.50

Passe-Partout Picture Binding

The paper is strong and may be folded or creased without danger of tearing. Being heavily gummed with a strong adhesive, it will hold mount, picture and glass together safely. In rolls 6 yards long; 1½ inches wide.

1 roll, $0.15; 1 doz. rolls, $1.45

Eastman Print Embosser

This handy tool is used for producing plate sunk centers on prints or enlargements. A steel ball rotating in the end of a rod permits one to exert the pressure necessary to emboss a sharp line at the edge of the embossing form without cracking the print. Such embossing adds greatly to the attractiveness of the print.

Each $0.50

Imperial Embosser

For embossing lines on edges of portraits, enlargements or prints. Each. $1.75

Majestic Dies for Hand Embossers

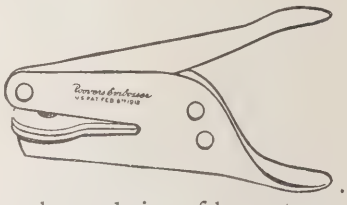
Sunk Lettering Brass Dies

1 Line (any style lettering)	$4.00
2 Lines (any style lettering)	5.00
3 Lines (any style lettering)	6.00

Embossing Dies

1 Line (any style lettering)	$ 8.00
2 Lines (any style lettering)	11.00
3 Lines (any style lettering)	14.00

Roovers Embossers



Furnish a satisfactory means of embossing photographs, envelopes, or any kind of paper. See our salesman or write for illustrations of styles and size of letters.

STYLES AND PRICES

Number of Lines	Hand Embossers Model D or C	Desk Presses Small Die	Desk Presses Large Die
1 Line	$1.35	$2.45	$2.75
2 Line	1.70	2.85	3.15
3 Line	2.00	3.15	3.55
4 Line	2.35	3.50	3.95
5 Line	....	....	4.35
6 Line	....	....	4.75

Majestic Hand Embossers

No. 1 Small Press—2-Inch Reach

Used for light sunk impressions only.

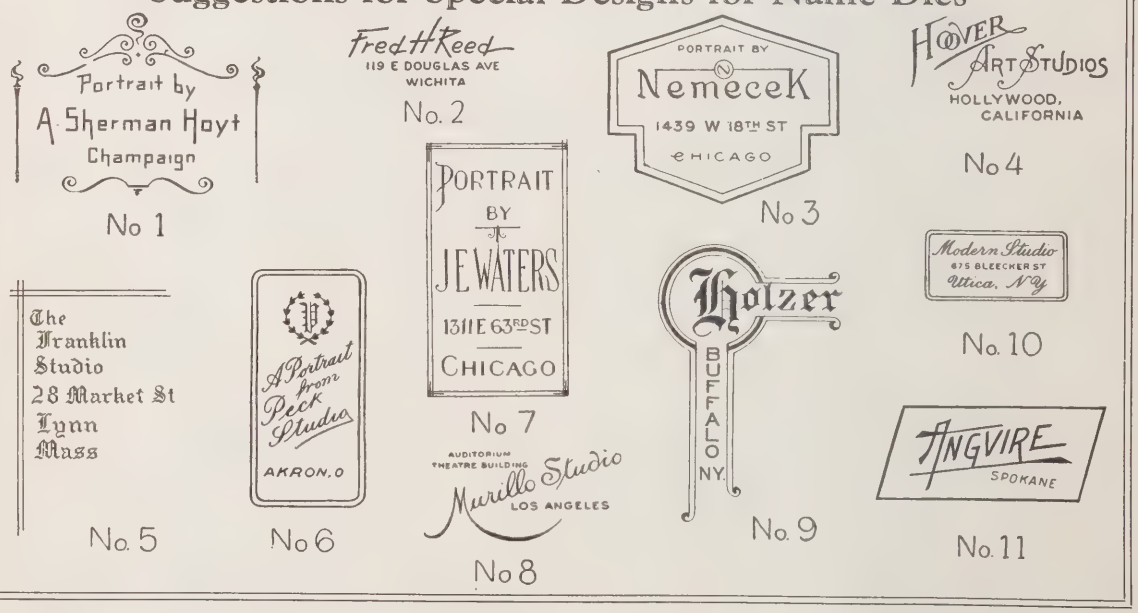
Weight, 5 lbs., each $4.50

No. 3 Long Reach Press—4-Inch Reach

This press can be used for heavy impression and for sunk or embossed lettering.

Weight, 16 lbs., each $6.00

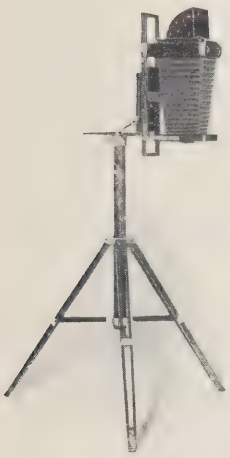
Suggestions for Special Designs for Name Dies



Special original sketches of name dies will be submitted for approval on receipt of 25 cents.

The cost of cutting dies depends on the work necessary—number of letters—ornamentations and size. Prices range from $5.00 to $10.00 or $15.00.

Eastman Clinical Camera



Eastman Clinical Camera
Showing Tilting Top and Stand

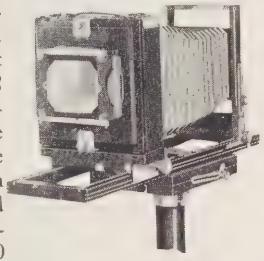
The use of photography as a means of clinical record is becoming more important each year.

In depicting surface lesions, abnormalities, pathological specimens, operating technique and similar subjects, the photograph gives a permanent record of conditions as *they exist at the time*, and is so simple of interpretation as to need but little written explanation. The demand for a clinical photographic unit allowing the fullest utilization of photography, with the minimum of experience and effort, has led to the development of the Eastman Clinical Camera Outfit.

Provision is made for photographing to a definite scale—by setting the indicator to the desired scale and simply moving the camera back and forth, until the subject is in focus, a series of photographs can be made to show the changed condition over a period of time. Lantern slides can be made from negatives made with the Clinical Camera as well as from Radiographs.

PRICES

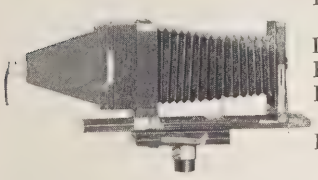
Eastman Clinical Camera Outfit including 5x7 Clinical Camera, Kodak Anastigmat lens *f*:7.7, 8 in. focus, in No. 2 Kodamatic Shutter; one double 5x7 Eastman Film or Plate Holder; one Lantern slide back, one Enlarging Back with Illuminator, compact Stand with tilting top and two Floodlights $180.00



Camera Ready for Lantern Slide Making

Parts Supplied Separately

5x7 Camera only without lens $70.00
Kodak Anastigmat Lens *f*:7.7, 8-inch focus fitted to No. 2 Kodamatic Shutter 37.50



Camera Ready for Enlarging

Folmer Compact Stand $20.00
Lantern Slide Back 14.00
Enlarging Back . . 14.00
Eastman Floodlights, each . . 20.00
Eastman Film or Plate Holder, 5x7 2.50
Extra lens board, 4¼x4¼ 50

Enameled Medical and Dental Developing Outfits

Complete units for developing, fixing and washing medical and dental films and X-ray plates. All outfits are made with sufficient space around tanks to permit free water circulation on all sides and at bottom, assuring constant temperature regulation. Jackets and outside of tanks finished in durable Royal Blue Enamel. Inside of tanks thoroughly lined with acid proof pure white enamel.

No. 5 Medical Developing Outfit

Accommodates films up to and including 14x17 size. Capacity of tank, 5 gallons. Size of tank, 4½x14¾x20 inches deep. Size of water jacket, 15x15x21 inches deep.

Price, complete, consisting of two white lined Enameled Tanks and one Royal Blue Water Jacket . $49.50

No. 1 Dental Developing Outfit

Accommodates films and plates up to and including 8x10 size. Capacity of tank, 1 gallon. Size of tank, 2½x8¾x14 inches deep. Size of water jacket, 9x9x15 inches deep.

Price of outfit, consisting of two White Lined Enameled Tanks and one Royal Blue Enameled Water Jacket $28.50
Price, Complete with Lids 30.00

Medical and Dental X-Ray Developing Tanks

Fine grade steel enameled tanks to fit individual needs in the dark room.

These tanks are lined with acid proof white enamel. The outside is finished in strong, durable blue enamel.

They will be found thoroughly satisfactory for the Medical or Dental laboratory.

PRICES

Size	Capacity	Each
2 x15 x15 in.	2 gals.	$10.50
2½x 8¾x14 in.	1⅓ gals.	9.00
2½x14¾x20 in.	3 gals.	11.00
4½x14¾x20 in.	5¾ gals.	12.00
14¾x14¾x20 in.	18¾ gals.	21.00

U. S. Stoneware 14x17 Developing Tanks

These tanks are made entirely of one-piece guaranteed acid-proof chemical stoneware. The inside top ledge is designed to hold standard 14x17 hangers. There is a 1-inch side bottom outlet for easy draining.

Size	Inside Dimensions	Price
5 gal.	4½x14¾x20½	$15.00
10 gal.	9 x14¾x20½	21.00
20 gal.	14½x14¾x20½	33.00

4-Compartment Developing Tank

This chemical stoneware tank is the last word in X-ray dark room equipment. It is made entirely in one piece—without the use of seams, slabs or interlocking joints and consequently cannot leak. Each tank is thoroughly vitrified and well glazed. They are easy to clean and will not become slimy; do not peel, flake, chip, or stain.

SPECIFICATIONS

Outside dimensions: 21½x25x22¾ inches high.
Developer Compartment: 4½x15x20½ inches deep (5 gal.)
Fixing Compartment: 6x15x20½ inches deep (7½ gal.).
Washing Compartment: 6x15x20½ inches deep (7½ gal.).
Spillway (which can also be used for washing): 18x6x20½ inches deep (10 gal.).
A 1-inch outlet in each of the three parallel compartments drains into the spillway.
There is a 2x3-inch countersunk outlet in the bottom of the spillway to connect with office plumbing system.
Net weight: 250 pounds.

Price $62.50

Eastman X-ray Exposure Holders

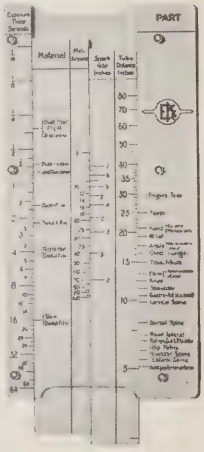
These holders offer the most convenient and satisfactory method of handling X-ray film during exposure. They eliminate trouble in loading the usual black and orange envelopes. The hinged cardboard with the orange envelope, securely fastened by metal clips, permits the film to be handled with greater convenience during exposure. The holders are well made and with ordinary care will last for a considerable time.

PRICES

Sizes	Lead-backed	Sizes	Lead-backed
5 x 7	$0.10	10x12	$0.20
6½x 8½	.15	11x14	.25
8 x10	.15	14x17	.30

Eastman X-ray Exposure Rule

A guide to correct exposure. As the X-ray approaches universal use, standardization of radiographic technique becomes imperative. The Eastman X-ray Exposure Rule is a material step in this direction. It is based upon the results of scientific study in the Research Laboratories of the Eastman Kodak Company, and both its utility and its essential accuracy have been verified in the practice of prominent roentgenologists.



Eastman X-ray Exposure Rule $2.50

Eastman Perfected X-ray Intensifying Screens

A perfected screen made with a waterproof support and a thin waterproof protective layer over the face, so that it is readily cleaned by simply washing.

The Eastman Intensifying Screen being flexible and with no tendency to grow brittle with age, will stand considerable rough handling and, in addition, can be more easily pressed into contact with the film.

PRICES

Sizes	Per Pair	Sizes	Per Pair
5 x 7	$ 4.00	10x12	$22.00
6½x 8½	8.00	11x14	28.00
8 x10	14.00	14x17	42.50

Eastman Dental Film Mounts

These mounts are supplied in a variety of multiple openings to fit the various examinations in use, and all are characterized by the simplicity with which the films may be inserted yet rigidly held. This results from the patented design of the opening.

All mounts are made of first grade, grey bristol stock and with the exception of the ten, eleven and fourteen opening examinations, are designed to be filed in 5x3 card index files. These mounts bear no imprinting except for anatomical charts and proper spaces for clinical data.

PRICES

	Per package of 100
Single opening	$ 2.00
2 openings, horizontal	3.00
2 openings, vertical	3.00
5 openings, for use with Bite-Wing Dental Films	6.00
7 openings, for use with Bite-Wing Dental Films	7.50
10 openings	9.00
11 openings	11.00
14 openings	14.00

Eastman Dental Film Safe

This convenient little metal cabinet may be attached to the wall or the apparatus itself, furnishing a satisfactory means for protecting dental film packages against X-ray exposure without trouble.

Protection is equivalent to $\frac{1}{16}$ inch of pure lead.

Sizes, outside, 2⅛x1¾x 4¾ inches.

Capacity, two separate compartments, each holding 2 dozen dental film packets.

Price $3.00

Eastman Dental Film Clips

Individual clips for holding a single film can be suspended on the side of the tank. These clips each have a white celluloid tablet on which a record may be written.

Price, per dozen $1.10

Eastman Dental Film Developing Cabinet

Tank Unit Only

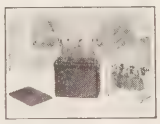
This cabinet is a miniature darkroom with tank development, safelight and provision for *circulating* water.

The tank unit consists of an outer tank of nickeled brass containing two smaller hard rubber tanks with space between for washing. Four No. 3 developing hangers are included.

PRICES

Cabinet and Tank Unit, complete	$75.00
Tank Unit—sold separately	15.00

Eastman Dental Film Developing Tank



This convenient little tank is made of hard rubber and holds 12 ounces of developing solution. The tank is equipped with a lid also made of hard rubber.

Eastman No. 5 Dental Film Developing Hanger is supplied for use with this tank. It has six clips and can be used with either regular dental film or the Raper packet.

PRICES

Eastman Dental Film Tank Combination, 12-ounce tank and one No. 5 hanger	$1.35
Eastman Dental Film Developing Tank, 12-ounce size tank with lid	.75
Eastman No. 5 Dental Film Developing Hanger, six clips for use in the above tank	.75

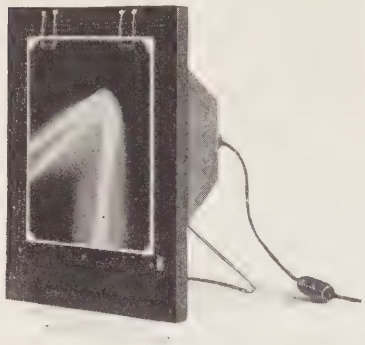
Eastman Dental Film Developing Hangers

Consist of a rod on which there are clips to hold films to be suspended from the side of the developing tank and for hanging during drying. These hangers have white celluloid tablets on which records can be made.

No. 2 Eastman Dental Film Developing Hanger, 10 Clips	$1.25
No. 3 Short Model as supplied with Developing Cabinet, 10 Clips	1.25
No. 4—14 Clips	1.50
No. 5—6 Clips	.75
Extra Clips, per dozen	.60

Eastman X-ray Illuminator

8x10 14x17



Light is furnished by a single lamp yet illumination is ample and evenly diffused by flashed opal glass. Clips are provided for holding full size and smaller films.

The 14x17 Illuminator is in mahogany finish only and is designed so that units will fit together side by side. The 8x10 Illuminator is made of metal with brown enamel finish.

100-Watt and 25-Watt frosted bowl, blue Mazda lamps for the 14x17 and 8x10, respectively, are recommended but not supplied with outfit.

Eastman X-ray Illuminator, 14x17 . . . . . $16.50
Eastman X-ray Illuminator, 8x10 . . . . . 12.00

Eastman Dental X-ray Illuminator

A convenient and efficient method for careful examination of X-ray negatives. It is a light box with a top of flashed opal glass. Equipped with an electric light switch and cord. A 50-Watt Mazda lamp is recommended but not supplied with the illuminator.

Price $4.50

Eastman X-ray Film Viewing Clips

These clips offer an efficient means of holding film negatives for viewing. They may be attached to the view frame rigidly or on wires. Films are inserted without need of holding the clip open—a slight pull releases them.

Model No. 2, per doz. $1.25

Eastman X-ray Envelopes

For holding X-ray plates during exposure. A set consists of two envelopes, one black and one orange.

	PER DOZEN SETS		
5 x 7	$0.75	10x12	$1.75
6½x 8½	1.00	11x14	1.85
8 x10	1.25	14x17	3.25

Eastman X-ray Film Developing Hangers No. 3

The development of X-ray film is made much easier, where the tank developing method is used, by the use of Developing Hangers. Not only the development but fixing, washing, and drying, are also facilitated by their use.

The hangers are made of a non-corrodible metal, unaffected by the action of developing solution. A spring clip at each corner securely grips the film so that it can be handled conveniently.

The hangers are made with a 16-inch crossbar, so that they may be used to the best advantage in the tank method.

Sizes	Price
*5 x 7	$0.75
*6½x 8½	.85
8 x10	1.25
18 x24 cm.	1.25
10 x12	1.50
11 x14	1.75
14 x17	2.00
Extra Clips Each	.05

**Not furnished with Bow-spring Top Clips*

Eastman X-ray Positive Paper

This paper has been specially prepared for Roentgenologists desiring to make contact paper prints from X-ray negatives. The emulsion has been developed with this purpose in view, and it will differentiate the densities of an X-ray negative in so far as it is possible to do this with a photographic paper.

It is not suitable for use in making negatives direct; nor is it intended for enlargements.

Furnished in double weight stock only and in one grade—glossy.

	PRICES	
	Dozen	Gross
5 x 7	$0.30	$ 2.90
6½x 8½	.50	4.70
8 x10	.70	6.65
10 x12	1.00	10.20
11 x14	1.25	12.50
14 x17	1.90	18.75

M. C. W., Barium Sulphate, for X-ray Diagnosis

1 pound carton $0.50

X-ray Film

Eastman Dental X-ray Film

Size 1¼x1⅝

A—Radia-Tized, per box of 2 dozen packets (1 film per packet) $1.15
AD—Radia-Tized, per box of 2 dozen packets (2 films per packet) 1.40
*B—Clear base (Non-Curling) in thin packets, 2 dozen pairs (Extra Fast—BB) 1.40
*C—Clear base in cushion edged packets, 1 dozen pairs (Extra Fast—CC) 70

*In ordering, please specify the speed wanted (B or BB, C or CC). Case quantity—300 dozen pairs.

Eastman Bite-Wing Dental Film Packets

Per Box of 1 Doz. Packets

Type 1 . . . . . $1.25
Type 2 . . . . . 1.50
Type 3 . . . . . 1.75

Eastman Dupli-Tized X-ray Film

Super Speed

	Pkg. of 6 Doz.	Doz. in Carton	Per Doz.
5 x 7	.....	20	$ 1.45
6½x 8½	.....	12	2.30
8 x10	$19.10	10	3.30
10 x12	30.00	3	5.20
11 x14	38.25	3	6.60
14 x17	58.05	2	10.05

Centimeter Sizes

Sizes	Per Doz.
13x18 cm.	$ 1.50
18x24 cm.	2.80
24x30 cm.	4.85
30x40 cm.	7.85
40x50 cm.	13.30

Eastman Safety Dupli-Tized X-ray Film

Super Speed

	Pkg. of 6 Doz.	Doz. in Carton	Per Dozen
5 x 7	.....	20	$ 1.75
6½x 8½	.....	12	2.80
8 x10	$23.35	10	4.00
10 x12	36.30	3	6.25
11 x14	46.35	3	7.95
14 x17	70.40	2	12.10

Centimeter Sizes

Sizes	Per Dozen
13x18 cm.	$ 1.95
18x24 cm.	3.45
24x30 cm.	6.00
30x40 cm.	9.65
40x50 cm.	15.95

Engravers' Hard Varnish

Bottle, 1 quart $1.90
Can, 1 gallon 7.00

No charge is made for bottles or cans.

X-ray Chemicals

Eastman X-ray Developing Powders

*No. 2—Package containing 6 powders, each sufficient to prepare 12 ounces ready-to-use solution . $0.60
No. 3—Package sufficient to prepare 1 gallon ready-to-use solution 85
No. 4—Package sufficient to prepare 5 gallons ready-to-use solution 3.50

**Also adapted for use in connection with Dental Film Developing Tank.*

Eastman X-ray Fixing Powders

No. 3—Package sufficient to prepare 1 gallon solution $0.60
No. 4—Package sufficient to prepare 5 gallons of solution 2.50

Eastman X-ray Hardening Powders

Can sufficient to prepare 1 gallon solution $0.35

Engravers' Sundries

Bausch and Lomb Engravers' Glass

Made with two plano convex lenses, giving flatter field and better image than one lens.

Lens Diam.	Power	Price
1⅝	3.5x	$3.60

Eastman Complete Collodion

Plain Collodion not iodized but with Iodizer in separate bottles; only requires adding the accompanying Iodizer to Collodion to form Complete Collodion.

Bottle, 1 quart $1.20
Bottle, ½ gallon 2.20
Bottle, 1 gallon 4.00
5-gallon Cans or self-tipping carboys when obtainable 18.00

Eastman Plain Collodion for Negative Making

Eastman Cotton dissolved in pure alcohol and ether, not Iodized.

Bottle, 1 quart $1.00
Bottle, ½ gallon 1.80
Bottle, 1 gallon 3.50
5-gallon Cans or self-tipping carboys when obtainable 16.00

LePage's Glue for Engravers

Contains no acid or harmful ingredient. It can be used hot or cold and insures fine results in process work.

One quart $3.75

Eastman Mono-lock Process Printing Frame

This frame has a number of advantages over the ordinary process frame. The back is hinged and there is a spring which compensates for its weight. It requires no effort to open it. A single locking lever replaces the several arms and screws on other frames. The frame is closed and locked or unlocked and opened with one motion. It is constructed of heavy maple reinforced with metal. Its size is 15x18 and it is fitted with a 1-inch plate glass front.

Frame, complete $60.00

Wratten Copyboard Chart

Each $0.15

Wratten Ink Control

Per set $6.00

Rubber Dippers

No. 4	$1.00	No. 7	$2.00
No. 5	1.20	No. 8	2.20
No. 6	1.50	No. 9	2.50
No. 6½	1.75	No. 10	3.30

Large, Medium and Small Extra Buttons, each . . $0.15

Eastman Photogravure Tissue

(Furnished in Rolls Only)

12 feet long, 36 inches wide $4.50

Eastman Topping Powder

Package, 1 pound $1.00

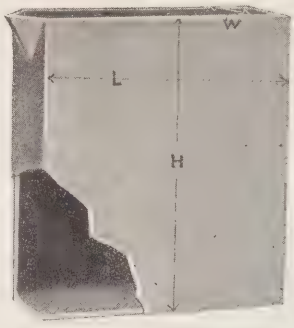
Eastman Engravers' Proofing Paper

20x24 inches, per lb. $0.40
4x6, 6x10, 10x12, 12x20, per lb. 44

Silver Nitrate

Current prices on Silver Nitrate and other chemicals will be quoted on application.

Majestic Silver Bath



These baths are furnished in two patterns, upright and inclined at about 60 degrees. Both patterns are equipped with pouring lip. They have the advantage over glass baths in that no box is required. They are easily cleaned and there is practically no danger of breakage.

SILVER BATHS

L Inches	H Inches	W Inches	T Inches	For Plate	Weight Pounds	Price Upright	Price Inclined
5	7	2	⅜	4¼x5½	6	$8.00	$10.40
7	10	2	⅜	6½x8½	10	9.00	11.70
9	11	2	⅜	8x10	13	9.60	12.50
11	14	2	½	10x12	25	12.60	16.40
12	16	2	½	11x14	30	19.20	25.00
15	20	2	⅝	14x17	60	23.40	30.50
18	22	2½	¾	17x20	80	27.60	36.00
21	26	2½	¾	20x24	125	38.40	50.00
22	28	2½	⅞	21x26	180	42.00	55.00

Luzerne Silver Bath and Case

Luzerne Hard Rubber Silver Baths are made from the highest grade of chemical resisting hard rubber compound, are non-absorbent and not affected by either acid or alkali solutions. They are light in weight, reinforced where necessary to give strength and rigidity. The cases are of hard wood covered with an acid resisting coating, light excluding hinged cover, sectional construction, so that baths can be easily removed from case.

Size 16x20, for plate 14x17—with case $45.00
Size 19x23, for plate 17x20—with case 51.00
Size 21x26, for plate 20x24—with case 60.00

NOTE—Process Lenses and Prisms will be found in the Lens Section of this catalog.

Eastman Loose-Leaf Studio Register

This is an optional form of bookkeeping record for those who do not desire to use the register cards which are regularly supplied with the Eastman Studio Register System. The rulings provide for a full record for both cash and credit transactions, and a complete history of all orders.

The cover is of heavy board, covered with black pebbled cloth, leather back and corners, with the word "Studio Register" embossed in gilt. It measures 15½x8½ inches and is supplied with 100 leaves and an index. Leaves may be readily inserted or removed by means of a simple but positive-acting device.

PRICES

Eastman Loose Leaf Studio Register, complete	$8.00
Extra sheets, in packages of 100, with index	3.50
Binders for filing	3.50
Extra Index	1.25

Eastman Cotton for Making Collodion

A high grade, uniform product, packed in bottles and wet with solvent.

Bottle, 1 ounce	$0.30
Bottle, 4 ounce	1.00
Bottle, 8 ounce	1.50

Eastman Stripping Collodion

(Ready for Use)

A flexible collodion of exceptional toughness.

Bottles or Cans, 1 quart	$1.00
Bottles or Cans, ½ gallon	1.80
Bottles or Cans, 1 gallon	3.50
Bottles or Cans, 5 gallon	16.00

Eastman Rubber Solution

(Ready for Use)

Consists of pure masticated rubber dissolved in water-free Benzol.

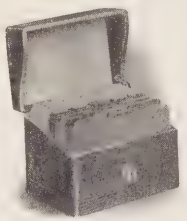
Bottles or Cans, 1 quart	$0.80
Bottles or Cans, ½ gallon	1.20
Bottles or Cans, 1 gallon	2.25
Bottles or Cans, 5 gallon	10.00

Eastman Special Iodizer

For making a thinner, softer-working collodion, 1 part of Special Iodizer is added to 2 parts Eastman Plain Collodion.

Bottle, 1 pint	$0.80
Bottle, 1 quart	1.50
Bottle, ½ gallon	2.60

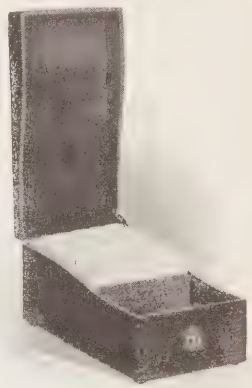
Eastman Studio Register System



The Desk Box

This system for recording the income, expenses and net profit of a professional photographer's business has been designed with a view to economy of time and money. Though simple, it is complete.

The principal feature is the *Eastman Card Index Studio Register* which consists of a quartered oak desk box with 300 printed cards and a quartered oak transfer box. The cards have spaces for a complete record of the customer's order from receipt to delivery and for a statement of the account. There are also two full sets of alphabetical guide cards as well as monthly and daily guide cards.



The Eastman Studio Cash Book is a leather bound cloth covered book of 161 pages measuring 11½x12 inches, especially ruled and printed for studio bookkeeping. It provides for a complete record of all cash transactions. *Eastman Studio Shop Tickets and Eastman Studio Follow-up Cards* are also available.

All cards measure 4x6 inches.

"System for the Photographic Studio"—a book describing the working of the plan is sent free on request.

PRICES

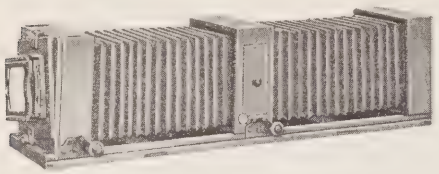
Eastman Card Index Studio Register		$12.00
Extra Desk Box		3.00
Extra Transfer Case		5.00
Eastman Studio Cash Book		8.00
	Per 100	Per 1000
Extra Ruled Studio Register Cards	$0.90	$7.25
Eastman Studio Shop Tickets	.75	6.00
Eastman Studio Follow-up Cards	.90	7.25

Eastman Iodizer

Used with Eastman Collodion will give a collodion yielding brilliant line and half-tone negatives.

Bottle (sufficient to iodize 1 quart of collodion), 1 oz.	$0.30
Bottle (sufficient to iodize ½ gallon of collodion), 2 oz.	.50
Bottles, one dozen, 2 oz.	5.50

Folmer Lantern Slide Camera



This is a very convenient camera built specially for the making of lantern slides. The instrument has a bellows capacity of 36 inches. The front is fitted with spring-finger kits for holding negatives varying in size from the capacity of the camera, 5x7, to 3¼x4¼.

The center compartment is fitted with a lens board which can be removed and placed in the front of the camera, when the instrument is used for copying purposes. The back regularly furnished is fitted with a 3¼x4 lantern slide holder. This back is adjustable in any position, either rising or oscillating, designed to bring any oblique lines in the negative into correct position on the lantern slide. For those who wish to make 5x7 copies or positives, an extra back is available including a 5x7 Eastman Film or Plate Holder.

Focusing is done by means of a heavy knob engaging the rack and pinion. The movement of the center compartment is similarly controlled. Lock nuts hold the section securely in any desired position.

Outside dimensions when closed: 18¼x10¼x9½; weight, 13 lbs.; lens board, 5x7.

PRICES

Folmer Lantern Slide Camera, including one Lantern Slide Back, one 3¼x4 Double Lantern Slide Holder, one Interchangeable Lens Board, two Spring-Finger Kits	$60.00
5x7 Back, including one 5x7 Eastman Film or Plate Holder	11.00
3¼x4 Lantern Slide Plate Holders, each	3.00
5x7 Eastman Film or Plate Holders, each	2.75
Extra Lens Board	1.20

Eastman Lantern Slide Binders

Strong, black paper, ½-inch in width, coated with a superior quality adhesive, 50 strips to the package. Each strip 15⅛ inches in length, is sufficient for binding one slide.

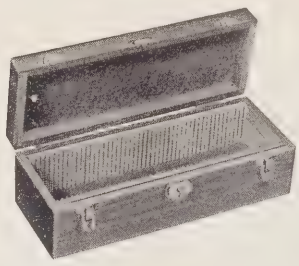
Per package of 50 strips $0.20

Ideal Lantern-Slide Mats

These mats are made of a tough, opaque paper that is waterproof finished. There are twenty shapes and sizes. Outside measurement of each is 3¼x4 inches.

Package of 25, any style $0.25

Eastman Lantern Slide Boxes



Made in three styles and sizes—all strong enough to bear the load and all designed for convenience and ready accessibility. Each slide pocket is numbered and the inside of the cover contains a numbered index. Nos. 1 and 2 are made of birch with Turkey Umber finish, and No. 3, is of beech with natural wood finish. Nos. 1 and 2 have respectively a capacity of 60 and 120 slides and measure 4¾x4⅛x12½ inches, and 4⅞x8¼x12⅝ inches; covers fitted with spring clasp. No. 3 (illustrated), measuring 4⅜x5½x15 inches, holds 50 slides, and is equipped with leather handle, brass clasps and lock.

	No. 1	No. 2	No. 3
Price	$3.50	$5.00	$6.50

Eastman Lantern Slide Varnish

An easy flowing, quick drying varnish of superior quality. Protects the slide, preventing film from absorbing moisture.

Per bottle of 4 ounces $0.50

Eastman Lantern Slide Cover Glass

For covering the emulsion side of a lantern slide to protect it from damage. First quality, free from all imperfections and cut accurately to size: 3¼x4.

Per Doz.	30 Doz.	Per Case 1108 Lights
$0.35	$10.00	$20.00

Imported Lantern Slide Cover Glass

A fine thin grade of glass made to fulfil every requirement in covering lantern slide plates.

Dozen	100	500	Case (1108)
$0.30	$1.85	$8.00	$15.00

Radio-Mats

Titles and written matter for lantern slides easily made up with these mats and a typewriter.

Box of 50 . . . . . $1.75

Coloring Lantern Slides

Water colors suitable for coloring lantern slides are Velox water colors and Dunne's transparent water colors. Descriptions and prices will be found listed elsewhere in this catalog.

Ciné-Kodak, Model B

Ciné Kodaks can be used profitably by photographers in the making of local scenes which can be used in the studio before or during sittings or for resale to customers who do not care to make their own negatives.

Ciné-Kodak, Model B—f:6.5 and f:3.5 Lens Equipments

Size: $8\frac{13}{16}$x$5\frac{9}{16}$x$3\frac{1}{16}$ inches. Weight: 5 pounds (loaded). Body: Aluminum, covered with black leather. Daylight loading: Length of film, 50 or 100 feet. Spring Motor Driven: One winding sufficient to expose 20 feet of film. Capacity without reloading: Sufficient to photograph action for a screen showing of over four minutes. Lens: Kodak Anastigmat *f*:3.5 or *f*:6.5. Focus: fixed. Finders: Reflecting Finder for use at waist height, Sight Finder for direct view at eye level. Footage Indicator: Automatically registers amount of film unexposed. Exposure Guide: On camera.

Ciné-Kodak, Model B—f:1.9 Lens Equipment

Size: $9\frac{5}{8}$x$5\frac{9}{16}$x$3\frac{1}{16}$ inches. Weight: 5 pounds (loaded). Body: Aluminum, covered with black leather. Daylight Loading: Length of film either 50 or 100 feet. Spring Motor Driven: One winding sufficient for exposing 20 feet of film. Capacity without reloading: Sufficient to photograph action for a screen showing of over four minutes. Lens: Kodak Anastigmat *f*:1.9. Focused by a turn of the lens barrel. Two Finders: Reflecting Finder for use at waist height, Sight Finder convenient for direct view at eye level. Footage Indicator: Automatically registers the amount of film unexposed. Exposure Guide: On camera.

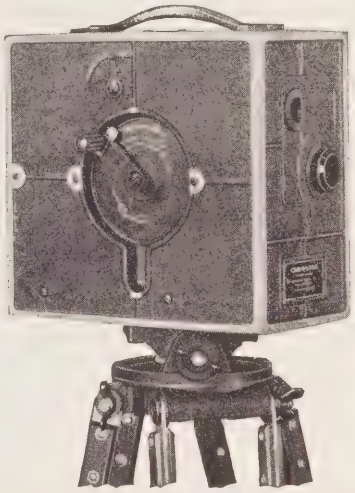
Model B, with Kodak Anastigmat *f*:6.5 lens . .	$ 70.00
Model B, with Kodak Anastigmat *f*:3.5 lens . .	100.00
Model B, with Kodak Anastigmat *f*:1.9 lens . .	150.00

Ciné-Kodak, Model A

In addition to its regular channel of work the Ciné-Kodak, Model A, is used extensively by physicians and others in the making of permanent records of operations and other medical subjects for which an unquestioned record might be required at some future time.

Many physicians do not care to take time for the making of these pictures and in such cases, the local photographer might profitably be in a position to do such work.

The initial outlay is small, considering the prices which may be charged and the Ciné Kodaks have been brought to a high degree of perfection so that there is little danger of unsatisfactory negatives when directions are followed.

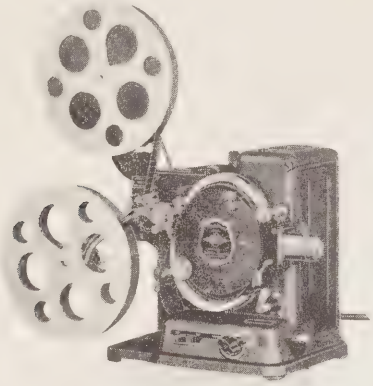


Size: 8x4⅝x8⅝ inches. Weight: 7¼ pounds. Body: Aluminum. Daylight Loading: Length of film, 50 or 100 feet. Capacity without reloading: Sufficient to photograph action continuously for 4.2 minutes. Lens: Kodak Anastigmat *f*:1.9, interchangeable with *f*:4.5 for telephoto effects. Mechanism: Hand-cranked, moving parts gear-operated and accurately synchronized. Rear Finder: Shows image through tube opening at back of camera. Top Finder: For use when operating camera at low level. Auxiliary Finder: Used with the *f*:4.5 lens to give corrected image size for telephoto work. Finder Adjusting Lever: On side of camera, controls either rear or top finder. Back of Model A has a pointer for setting the focus and a dial that indicates the film footage. Top has strong leather carrying handle.

Model A, with Kodak Anastigmat *f*:1.9 lens (including tripod)	$225.00
Interchangeable Kodak Anastigmat *f*:4.5 lens (long-focus)	45.00

Kodascope, Model B

The Kodascopes listed are Eastman made and offer an excellent means for projecting 16 mm. films to the best advantage, either in the studio or in the home.



Size: Folded, 10¼x7½x9¼ inches. Weight: 13¾ pounds. Capacity: 400 feet of 16 mm., 5/8-inch amateur standard film, Arms which hold reels fold, upper arm providing carrying handle. Lens: Focused by convenient lever, 2-inch focal length. Eastman-made, projecting brilliant 39x52-inch picture at 23 feet. Illumination and Power: Supplied through adjustable rheostats controlling motor speed and illumination. Ammeter indicates lamp current. Power taken from any house circuit, alternating or direct, 105 to 125 volts. Self-threading Feature: Automatically carries film around sprocket through gate and on to take-up reel. Framing Knob: Knurled and conveniently located, moves lens and aperture together, keeping picture on screen during framing operation. Leveling Device: Cam actuated for quick operation. Rewind: Motor driven. Still Picture Device: Allows stopping for viewing single pictures. Reversing Switch: Permits showing action backward. Ventilating Fan: Keeps lamp house cool.

Model B (105–125 volts), with 200-Watt lamp and 2-inch lens	$300.00
Model B (32 volts), with 165-Watt lamp	300.00

Kodascope, Model A

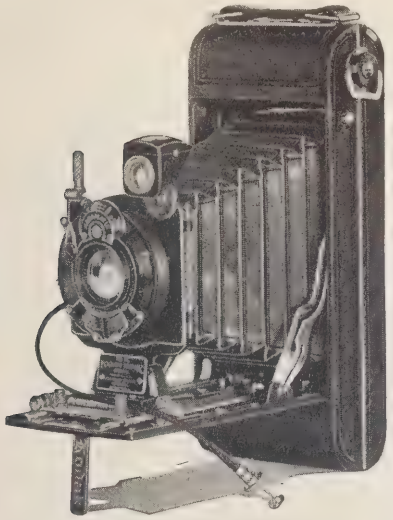
Size: 18½x14⅞x10⅜ inches. Weight: 25 pounds. Capacity: 400 feet 16 mm., 5/8-inch film. Lens: Optional 1-inch or 2-inch focus, projecting a 39x52-inch picture at 11½ or 23 feet. Focused by handy knob. Also, 5-inch focus, projecting a 39x52-inch picture at 57½ feet from screen. 2-inch lens supplied unless otherwise specified. Illumination and Power: Supplied through adjustable rheostat attached to left side of Kodascope, and indicated by ammeter on base of Kodascope; current taken from any house circuit, alternating or direct, 105 to 125 volts. Special rheostat adapts Kodascope to 210–250-volt circuits. 32-volt equipment furnished for home generators. Framing and Leveling screws for accurate screen register. Rewinding Mechanism: Geared for quick winding by hand. Film Splicing Outfit: Supplied with Kodascope. Two 400-foot reels furnished.

Model A (105–125 volts), with 200-Watt lamp	$180.00
Model A (32 volts), with 165-Watt lamp	180.00
Model A (105–125 volts) with 5-inch lens	275.00

Kodascope, Model C

Size: 8x5½x7 inches. Weight: 9 pounds. Capacity: 400 feet of 16 mm., 5/8-inch, amateur standard film (equivalent to 1,000 feet of 35 mm. film), lasting about 16 minutes on screen. Lens: Optional 1-inch or 2-inch focus, Eastman-made, projecting brilliant 30x40-inch picture at 9 or 18 feet from screen. 2-inch lens supplied unless otherwise specified. Illumination and Power for electric motor which drives mechanism, taken from any house circuit, alternating or direct current, not over 125 volts nor less than 105, by attaching to socket or wall outlet. Special rheostat adapts Kodascope C to 210–250-volt current. Special Model C available for 32-volt current. Framing Lever for accurate screen register. Focusing: By turning lens barrel in socket. Rewinding Mechanism: Motor driven. Film Splicing Outfit supplied with Kodascope. One 400-foot reel furnished.

Model C (105–125 volts), with 100-Watt lamp and 1-inch or 2-inch lens	$60.00
Model C (32 volts), with 100-Watt lamp and 1-inch or 2-inch lens	60.00
Model C (6 volts) with 72-Watt lamp and 1-inch or 2-inch lens	60.00



Vest Pocket Kodak, Model B, 1⅝x2½

	Retail Price
Fixed Focus Model—	
Rotary Shutter with Meniscus lens	$ 5.00
With Periscopic lens	7.50

Vest Pocket Kodak, Series III, 1⅝x2½

Kodex Shutter, Kodar *f*:7.9 lens	12.00
Diomatic Shutter, Kodak Anastigmat *f*:6.3 lens	17.00

Vest Pocket Kodak Special, 1⅝x2½

Diomatic Shutter	
With Kodak Anastigmat *f*:5.6 lens	23.00
With Kodak Anastigmat *f*:4.5 lens	28.00

Vanity Kodaks, V. P. Specials, 1⅝x2½

Covered with beautifully colored leather and supplied in five different colors:—Blue, Brown, Gray, Green and Red. Equipment Kodak Anistigmat *f*:6.3—diomatic shutter.
Price, each $30.00

No. 1 Pocket Kodak, 2¼x3¼

Kodex Shutter	
With Meniscus Achromatic lens	11.00
With Kodar *f*:7.9 lens	14.00
With Kodak Anastigmat *f*:6.3 lens	19.00

No. 1A Pocket Kodak, 2½x4¼

Kodex Shutter	
With Meniscus Achromatic lens	12.00
With Kodar *f*:7.9 lens	15.00
With Kodak Anastigmat *f*:6.3 lens	20.00

No. 2C Pocket Kodak, 2⅞x4⅞

Kodex Shutter	
With Meniscus Achromatic lens	15.00
With Kodar *f*:7.9 lens	18.00
Kodak Ball Bearing Shutter	
With Kodak Anastigmat *f*:6.3 lens	23.00

No. 3A Pocket Kodak, 3¼x5½

Kodex Shutter	
With Meniscus Achromatic lens	17.00
With Kodar *f*:7.9 lens	20.00
Kodak Ball Bearing Shutter	
With Kodak Anastigmat *f*:6.3 lens	25.00

No. 1 Pocket Kodak, Series II, 2¼x3¼

	Retail Price
Fixed Focus Model—	
Kodex Shutter	
With Meniscus Achromatic lens	$15.00
Focusing Model—	
Kodex Shutter	
With Kodar *f*:7.9 lens	19.00
Diomatic Shutter	
With Kodak Anastigmat *f*:7.7 lens	24.00

No. 1A Pocket Kodak, Series II, 2½x4¼

Fixed Focus Model—	
Kodex Shutter	
With Meniscus Achromatic lens	17.00
Focusing Model—	
Kodex Shutter	
With Kodar *f*:7.9 lens	21.00
Diomatic Shutter	
With Kodak Anastigmat *f*:7.7 lens	26.00

No. 1 Kodak, Series III, 2¼x3¼

Diomatic Shutter	
With Kodak Anastigmat *f*:6.3 lens	29.00

No. 1A Kodak, Series III, 2½x4¼

Diomatic Shutter	
With Kodak Anastigmat *f*:6.3 lens	32.00

No. 2C Kodak, Series III, 2⅞x4⅞

Diomatic Shutter	
With Kodak Anastigmat *f*:6.3 lens	35.00

No. 3 Kodak, Series III, 3¼x4¼

Kodex Shutter	
With Kodar *f*:7.9 lens	26.00
Diomatic Shutter	
With Kodak Anastigmat *f*:6.3 lens	33.00

No. 3A Autographic Kodak, 3¼x5½

Kodex Shutter	
With Kodar *f*:7.9 lens	25.00
Ilex Universal Shutter	
With Kodak Anastigmat *f*:6.3 lens	33.00

No. 1 Pocket Kodak Special, 2¼x3¼

Kodamatic Shutter	
With Kodak Anastigmat *f*:5.6 lens	50.00
With Kodak Anastigmat *f*:4.5 lens	60.00

No. 1A Pocket Kodak Special, 2½x4¼

Kodamatic Shutter	
With Kodak Anastigmat *f*:5.6 lens	55.00
With Kodak Anastigmat *f*:4.5 lens	65.00

No. 2C Pocket Kodak Special, 2⅞x4⅞

Kodamatic Shutter	
With Kodak Anastigmat *f*:5.6 lens	60.00

No. 3 Pocket Kodak Special, 3¼x4¼

Kodamatic Shutter	
With Kodak Anastigmat *f*:5.6 lens	57.50
With Kodak Anastigmat *f*:4.5 lens	67.50

No. 3A Autographic Kodak Special, 3¼x5½

Kodamatic Shutter	
With Kodak Anastigmat *f*:6.3 lens	65.00

No. 3A Panoram Kodak, 3¼x10⅜

With Meniscus lens and two-speed shutter	40.00

Cameras for Re-sale

There is a good field for extra profit for photographers and photo finishers through the selling of Ciné Kodaks, Kodaks, Brownie and Hawk-Eye Cameras and accessories.

These products, made by the Eastman Kodak Company, are nationally known and nationally advertised—they almost sell themselves.

Liberal discounts are offered to photographers and photo finishers on these products and if you are not already selling these instruments, we suggest your writing for special selling terms, today.

Brownie Cameras

Box type cameras are extremely popular with young folks and beginners. Being of the fixed focus type, they are easy to operate and the percentage of good prints is very great.

Brownie cameras are well known and liked as they have been on the market for years and are advertised regularly by the Eastman Kodak Company.

No. O Brownie

	Retail Price
1⅝x2½. Rotary Shutter. Meniscus lens	$2.00

No. 2 Brownie

2¼x3¼. Rotary Shutter. Meniscus lens. With aluminum body	2.50

No. 2A Brownie

2½x4¼. Rotary Shutter. Meniscus Achromatic lens. With aluminum body	3.50

No. 3 Brownie

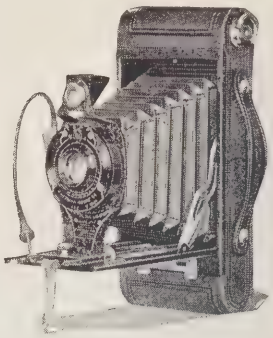
3¼x4¼. Rotary Shutter. Meniscus Achromatic lens	4.50

No. 2C Brownie

2⅞x4⅞. Rotary Shutter. Meniscus Achromatic lens	5.00

Hawk-Eye Cameras

Folding Models



Special Folding Cartridge Hawk-Eye Cameras

Fitted with Special f:6.3 Kodak Anastigmat Lens and offered in three popular sizes.

	Retail Price
No. 2. 2¼x3¼	$16.00
No. 2A. 2½x4¼	17.00
No. 3A. 3¼x5½	22.00

Regular Models

Vest Pocket Hawk-Eye, 1⅝x2½	$5.00

No. 2 Folding Cartridge Hawk-Eye, Model B, 2¼x3¼

Kodex Shutter	
With Meniscus Achromatic lens	$ 8.00
With Hawk-Eye lens	10.00

No. 2A Folding Cartridge Hawk-Eye, Model B, 2½x4¼

Kodex Shutter	
With Meniscus Achromatic lens	$ 9.00
With Hawk-Eye lens	11.00

No. 3A Folding Cartridge Hawk-Eye, Model B, 3¼x5½

Kodex Shutter	
With Meniscus Achromatic lens	$13.50
With Rapid Rectilinear lens	16.00

Hawk-Eye Cameras

Box Models

No. 2 Cartridge Hawk-Eye, Model C, 2¼x3¼	$1.25
No. 2 Hawk-Eye Special, 2¼x3¼	2.25
No. 2A Hawk-Eye Special, 2½x4¼	3.25

Write for Special Catalogs and Resale Discounts

Eastman Tested Chemicals

Eastman Tested Chemicals are manufactured and purified with the thought only of their use in photographic processes. All Eastman formulae are based on the use of these chemicals. By their use you eliminate the element of chemical uncertainty. We recommend that you follow exactly the latest formulae as given by Eastman Kodak Co., for the use of their papers, plates and film.

The prices quoted are correct for the day of publication only. Owing to frequent fluctuations, all chemical prices are subject to change without notice. We will send the latest quotations on request.

ALL CHEMICAL PRICES ARE SUBJECT TO VARIATIONS. WRITE FOR LATEST QUOTATIONS.

Acetic Acid 28%
- 1-pound bottle . . . $0.30
- 5-pound bottle . . . 1.25

Acetic Glacial Acid 99%
- 1-pound bottle 66
- 5-pound bottle . . . 2.50

Citric Acid
- 1-ounce bottle (powdered) 20
- 4-ounce bottle (powdered) 42
- 1-pound bottle (powdered) . . . 1.20

Muriatic Acid
- 1-ounce bottle 42
- 4-ounce bottle 55
- 1-pound bottle . . . 1.00

Nitric Acid
- 1-ounce bottle 42
- 4-ounce bottle 55
- 1-pound bottle . . . 1.00

Oxalic Acid
- 1-ounce bottle 17
- 4-ounce bottle 25
- 1-pound bottle 55

Pyrogallic Acid Crystals (Permanent)
- 1-ounce bottle 30
- ¼-pound bottle 70
- ½-pound bottle . . . 1.20
- 1-pound bottle . . . 1.90
- 5-pound tin, per pound . . . 1.85
- 10-pound tin, per pound . . . 1.80
- 25-pound tin, per pound . . . 1.55

Sulphuric Acid C. P.
- 1-ounce bottle 40
- 4-ounce bottle 53
- 1-pound bottle . . . 1.00

Acrol
- 1 ounce 60
- ¼ pound . . . 2.15
- 1 pound . . . 8.00

Alcohol, Wood
- 1-pint bottle 50
- 1-quart bottle 90
- 1-gallon can . . . 2.85
- 5-gallon can . . . 13.25

Chrome Alum Crystal Potassium
- 1 pound . . . $0.30
- 5 pounds . . . 1.40
- 10 pounds . . . 2.70

Plain Alum Powdered Potassium
- 1 pound 20
- 5 pounds 95
- 25-pound fibre drum . . . 3.50
- 100-pound drum . . . 10.00

Aluminum Chloride
- 1-ounce bottle 25

Ammonium Carbonate
- 1-pound can 55
- 5-pound can . . . 2.60

Ammonium Citrate
- 1 ounce 24
- 1 pound . . . 2.25

Ammonium Persulphate
- 1-ounce bottle 20
- ½-pound bottle 80
- 1-pound bottle . . . 1.50

Ammonium Sulphocyanate, Pure
- 1-ounce bottle 25

Athenon

Used with Elon and Hydrochinon in producing direct rich brown tones on Vitava Athena Old Ivory.
- 1-ounce bottle . . . $0.65
- ¼-pound bottle . . . 1.95
- 1-pound bottle . . . 6.75

Copper Sulphate U. S. P. Crystal
- 1-pound bottle 65

Elon
- 1-ounce bottle 50
- 4-ounce bottle . . . 1.60
- 8-ounce bottle . . . 3.00
- 1-pound bottle . . . 6.00
- 5-pound bottle, per pound . . . 5.90

Formaldehyde (sol. 40%)
- 1-pound bottle 50
- 1-ounce bottle 20

Eastman Tested Chemicals

ALL CHEMICAL PRICES ARE SUBJECT TO VARIATIONS. WRITE FOR LATEST QUOTATIONS.

Gold Chloride
- 1–15 grain bottle . . . $0.80
- 12–15 grain bottles . . . 9.00

Hydrochinon
- 1-ounce can 25
- ¼-pound can 65
- ½-pound can . . . 1.20
- 1-pound can . . . 1.85
- 5-pound tin, per pound . . . 1.80
- 10-pound tin, per pound . . . 1.75
- 25-pound fibre drum, per pound . . . 1.55

Iodine Resub.
- 1-ounce bottle 90

Iron & Ammonium Sulphate
- 1-ounce bottle 18
- 1-pound bottle 65

Kodelon
- 1-ounce bottle 47
- 4-ounce bottle . . . 1.65
- 8-ounce bottle . . . 3.15
- 1-pound bottle . . . 6.00
- 5-pound can, per pound . . . 5.90

Lead Acetate
- 1-ounce bottle 20
- 1-pound bottle 70

Magnesium Metal (Powdered)
- 1-ounce can 33
- 4-ounce can . . . 1.10
- 8-ounce can . . . 2.03
- 1-pound can . . . 3.90

Mercury Bichloride
- 1-ounce bottle 30
- 4-ounce bottle 80
- 8-ounce bottle . . . 1.50
- 1-pound bottle . . . 2.85

Potassium Bromide

	Crystal (Bottle)	Granular (Can)
1-ounce	$0.17	$0.14
¼-pound	.35	.30
½-pound	.58	.48
1-pound	1.85	.85
5-pound	....	4.15

Potassium Carbonate
- 8-ounce bottle 25
- 1-pound bottle 40

Potassium Ferricyanide
- 1-ounce bottle 18
- 4-ounce bottle 40
- 8-ounce bottle 60
- 1-pound bottle . . . 1.10

Potassium Metabisulphite
- 1-ounce bottle 15
- 4-ounce bottle 28
- 8-ounce bottle 40
- 1-pound bottle 70

Potassium Iodide
- 1-ounce bottle 62
- ¼-pound bottle . . . 1.98
- 1-pound bottle . . . 7.40

Potassium Permanganate
- 1-ounce bottle 20
- 4-ounce bottle 25
- 8-ounce bottle 40

Potassium Sulphocyanate
- 1-ounce bottle . . . $0.30

Roylon
- 1-ounce bottle 60
- ¼-pound bottle . . . 2.15
- ½-pound bottle . . . 4.15
- 1-pound bottle . . . 8.00

Silver Nitrate
- 1-ounce bottle
- ¼-pound bottle
- 1-pound bottle
- 100-ounce lots
- 500-ounce lots
- 1000-ounce lots

} Ask for current quotations.

Soda Bicarbonate
- 1-pound carton 20

Soda Bisulphite
- 1-ounce bottle 15
- 4-ounce bottle 20
- 8-ounce bottle 30
- 1-pound bottle 40
- 5-pound can . . . 1.60

Soda Carbonate
- 1-pound can 30
- 5-pound can . . . 1.20
- 25-pound can . . . 5.10
- 100-pound drum . . . 13.50
- 1-pound bottle 45
- 5-pound bottle . . . 1.40

Soda Thiosulphate Hypo (Pea Crystal)
- 1-pound carton 10
- 6-pound carton 50
- 25-pound package . . . 1.45
- 100-pound keg . . . 4.75
- 5-keg lots, per keg . . . 4.50
- 100-pound sack, per sack . . . 4.50
- 5–100-pound sacks, per sack . . . 4.25
- 10–100-pound sacks, per sack . . . 4.00

Soda Phosphate
- ¼-pound bottle 20
- 1-pound bottle 45

Soda Sulphide (fused)
- 1-ounce bottle 15
- 4-ounce bottle 30
- 8-ounce bottle 45
- 1-pound bottle 75

Soda Sulphite Des.
- 1-pound can 30
- 5-pound can . . . 1.30
- 25-pound can . . . 5.85
- 100-pound drum . . . 15.50

Uranium Nitrate
- 1-ounce bottle 40

Eastman Developing Powders

Developer Powders—Hydrochinon Pyro or Special
(In glass tubes) Per carton of 5 tubes.
- Hydrochinon . . . $0.35
- Pyro 30
- Special 35

Eastman Developing Powders

Hydrochinon Developer Powders	
Per carton of 6 powders	$0.30
M. Q. Tubes, Eastman	
(In glass tubes)	
Per carton of 5 tubes	.30
Per box of 100 tubes	6.00
Pyro Developer Powders	
Per carton of 6 powders	.30
Re-developer, Royal	
Package of 6 tubes	.75
Re-developer, Velox	
Package of 12 tubes	1.08
Solio Toning and Fixing Powders	
Carton of 5 tubes	.35
Special Developer Powders	
Per package of 6 powders	.30
Film or Plate Tank Developer Powders	
Package of 6 powders, for	
Vest Pocket Kodak tank	.20
2¼-inch tank, Brownie tank, Brownie Developing Box or Developing Machine	.20
2½ and 3½-inch film tanks, style A machine and 4x5 plate tank	.25
5-inch and 7-inch tank or style E machine	.30
5x7 plate tank	.50
8x10 plate tank	1.20
For Film Pack Tanks	
Package of 6 powders for Kodak Film Pack Tank	
No. 1	.30
No. 2	.40
No. 3	.55
Tropical Developer	
(In glass tubes)	
Package of 5 tubes	.40

Eastman Developing Solutions

Developer, Velox Liquid	
4-ounce bottle	$0.28
16-ounce bottle	.84
½-gallon bottle	2.24
5-gallon jug	17.50
Nepera Solution	
4-ounce bottle	.28
16-ounce bottle	.84
½-gallon bottle	2.24
5-gallon jug	17 50

Eastman Specialties

Ground Glass Substitute, Eastman	
4-ounce bottle	$0.60
Hardener, Velox Liquid	
4-ounce bottle	.25
8-ounce bottle	.35
½-gallon bottle	1.35
5-gallon jug	11.75
Intensifier	
Tube	.15
Kodak Acid Fixing Powders	
¼-pound carton	.10
½-pound carton	.15
1-pound carton	.25

Eastman Specialties

Kodalak, No. 4 Brush Lacquer	
8-ounce bottle	$0.60
Kodalak, W. P.	
16-ounce bottle	1 00
Kodalak, W. P. Thinner	
16-ounce bottle	.80
Lantern Slide Varnish, Eastman	
4-ounce bottle	.50
Leather Dressing, Kodak	
1-pint can	.75
Nepera Auxiliary Powders	
For use with Nepera Solution.	
Carton 12 powders	.35
Reducer and Stain Remover	
Carton, 5 tubes	.50
Reducer, Eastman Abrasive	
Per can	.50
Sepia Tablets	
Vial, approx. 32 tablets	.15
Bottle, approx. 250 tablets	.50
Toner, Solio	
4-ounce bottle	.30
8-ounce bottle	.50
½-gallon bottle	2.00
Waxing Solution, Nepera	
4-ounce bottle	.40

Merck Chemicals

Acetic Glacial Acid 99%	
1-pound bottle	.50
5-pound bottle	1.90
45-pound bottle, per pound	.22
100-pound bottle, per pound	.19
Citric Acid	
1-pound bottle	.85
Muriatic Acid	
1-pound bottle	.60
Nitric Acid	
1-pound bottle	.70
7-pound bottle	2.80
Oxalic Acid	
1-pound carton	.40
5-pound carton, per pound	.38

Pyrogallic Acid (Mallinckrodt)	Crystals Bottle	Resublimed Can
1-ounce bottle	$0.30	$0.27
¼-pound bottle	.70	.75
½-pound bottle	1.20	1.25
1-pound bottle	1.90	2.10
5-pound tin, per pound	1.85	2.05
10-pound tin, per pound	1.80	2.00
25-pound tin		50.00

Merck (Continued)

Sulphuric Acid C. P.
4-ounce bottle $0.35
1-pound bottle 55
9-pound bottle 3.50

Acetone, Pure
1-pound bottle 75
5-pound bottle, per pound 65

Aluminum Chloride
1-ounce bottle 25

Ammonia Water (U. S. P. 26%)
1-pound bottle 50

Ammonium Bichromate C. P.
4-ounce bottle 35
1-pound bottle 1.00

Ammonium Bromide
1-ounce bottle 20
1-pound bottle 95

Ammonium Persulphate C. P.
1-ounce 20
½-pound 38

Ammonium Sulphocyanate, Pure
1-ounce bottle 25

Barium Sulphate, for X-Ray Diagnosis
1-pound carton 50

Copper Sulphate U. S. P. Crystal
1-pound 45
5-pound box 1.65

Copper Chloride
1-ounce 35

Ether (Sulphuric Concentrated)
1-pound can 25

Ferrichloride (Iron Chloride)
1-pound bottle 40

Formaldehyde (sol. 40%)
1-pound bottle 50

Hydroquinone M. C. W.
1-ounce can $0.25
¼-pound can 65
½-pound can 1.20
1-pound can 1.85
5-pound can, per pound 1.80
10-pound can, per pound 1.75
25-pound can, per pound 1.70

Iodine Resub.
1-pound bottle 7.00

Iron & Ammonia Citrate Green
1-ounce bottle 20
¼-pound 50
1-pound 1.35

Iron Sulphate U. S. P.
1-pound can 22
5-pound can, per pound 20

Lead Acetate
1-pound carton 70

Lead Nitrate
1-ounce bottle 30
1-pound bottle 1.05

Magnesium Metal

	Powdered 70 Mesh
¼-pound can	$0.90
1-pound can	3.00

Mercury Bichloride, U. S. P. Granulated
1-pound bottle 2.85

Potassium Bichromate Crystals
1-pound carton 70

Potassium Bromide M. C. W. and Merck

	Granular
1-ounce	$0.14
¼-pound (carton)	.30
1-pound	.85

Potassium Carbonate
1-pound can 40
5-pound can 1.50

Potassium Hydroxide Caustic Potash U. S. P. (White) Sticks
¼-pound bottle 30
1-pound bottle 70

Potassium Ferricyanide
1-ounce bottle 20
1-pound tin 1.20

ALL CHEMICAL PRICES ARE SUBJECT TO VARIATIONS. WRITE FOR LATEST QUOTATIONS.

Merck (Continued)

Potassium Metabisulphite
1-pound bottle . . . . . $ 0.55
5-pound bottle 2.50

Potassium Oxalate
1-pound carton 60

Potassium Iodide
1-ounce bottle 50
4-ounce bottle 1.60
1-pound bottle 5.50
5-pound bottle, per pound 5.25

Potassium Sulphocyanate
1-ounce bottle 30

Potassa Sulphurated U. S. P. (Liver Sulphur)
¼-pound bottle 20
1-pound bottle 55

Soda Bicarbonate (Powdered)
1-pound carton 20

Soda Bromide
4-ounce can 30

Soda Carbonate (Photo Pure) M. C. W.
1-pound can 20
5-pound can 85
25-pound can 3.75
100-pound drum 11.00

Soda Hydroxide Sticks U. S. P.
4-ounce bottle 25
1-pound bottle 50

Soda Nitrate
1-pound carton 35

Soda Phosphate
1-pound can 35

Soda Sulphate Crystal
1-pound can 40

Soda Sulphide (fused) Crystals
1-pound can 65

Soda Sulphite-Anhy. M. C. W.
1-pound can 25
5-pound can 1.05
25-pound can 5.00
100-pound drum 14.00

Uranium Nitrate
¼ pound 1.10

ALL CHEMICAL PRICES ARE SUBJECT TO VARIATIONS. WRITE FOR LATEST QUOTATIONS.

Sundry Preparations

Browntone

A one solution sepia toner for any brand of paper.
8-ounce bottle . . . . . $ 1.00
Gallon 12.00

Burrows Wellcome's Soloid

Photographic stains for staining prints or lantern slides. Made in three colors, red, green and yellow.
Per tube $0.35

Tabloids

Blue, *Green* or *Sepia* Toners can be used for toning bromide prints and lantern slides.
Per package, Blue, Green or Sepia $0.70

Brown Toner for modifying Sepia prints only.
Per package of 22 tablets $0.70

Copper Ferrocyanide Toning Compound is used for toning bromide prints and lantern slides.
Per package $0.50

Rytol Universal Developer

For developing films, plates, bromides and lantern slides.
Package, 50 tablets $0.60

Tancol Developer

For developing films or plates.
Package of 80 tablets $0.60

Tabloid Desensitiser

Makes emulsions less sensitive to light.
25 tablets in a tube $0.60

Nelson's Photo Gelatine

Useful in making your own emulsions.
½-pound package of No. 1, Hard $2.25
¼-pound package of No. 2, Soft 2.00

Probus Print Lustre

Adds depth to the shadows and gives a lustrous finish to all grades of photographic paper.
Half pint can $0.65

Smith's Friction Reducer

For local reduction of the film or plate.
Per jar (about 1 oz.) $0.25

Victor Intensifier

Builds up under developed film, and negatives in which detail is visible but too faint to print properly.
No. 1 Powder, makes 4 ounces of solution $0.25
No. 2 Powder, makes 8 ounces of solution 45
No. 3 Powder, makes 16 ounces of solution 85

Eastman Portrait Film

Eastman Portrait Film has largely replaced the glass plate, not alone for its greater convenience and many physical advantages but for the superior quality of the negatives it produces. Film enables the photographer to do the bold and unusual things in lightings with no fear of the results. And because of its freedom from halation film produces negatives having a distinctive quality not obtainable in any glass plate.

Eastman Portrait Film *Par Speed* is the film for general portraiture. Eastman Portrait Film *Super Speed* is the film for unusual conditions. It has the greatest speed of any negative making material made for portraiture, plus portrait quality.

For the commercial photographer there is, in addition to Portrait Film, Eastman Commercial Film, having a slow emulsion suitable for general work and copying where color correction is not necessary. It is also furnished with a matte surfaced emulsion. Eastman Commercial Ortho Film is sensitive to green, and yellow, but not to red. Eastman Commercial Panchromatic is a fast film, completely color sensitive and specially suited for all forms of commercial work where the correct rendering of colors is desirable, and Eastman Process and Panchromatic Process Film, having a slow emulsion, capable of producing exceptional contrast.

Eastman Portrait Film *Par Speed*—Eastman Commercial Matte Film Eastman Commercial Ortho Film—Eastman Commercial Film Eastman Process Film

List Prices

Sizes	No. Doz. in Case	Per Doz.
3¼x 4¼	30	$ 0.65
3¼x 5½	30	.90
4 x 5	30	.90
4¼x 6½	30	1.30
4¾x 6½	26	1.35
5 x 7	20	* 1.45
5 x 8	20	1.70
6½x 8½	12	* 2.20
7 x10	10	2.75
7 x11	10	3.20
8 x10	10	* 3.20
10 x12	3	5.60
7 x17	4	5.60
11 x14	3	8.05
8 x20	2	8.35
12 x20	2	12.65
14 x17	2	13.70
16 x20	..	18.40
17 x20	..	19.55
18 x22	..	22.80
20 x24	..	27.60
20 x26	..	29.90
22 x24	..	30.40
20 x28	..	32.20
22 x27	..	34.15
22 x28	..	35.45
20 x30	..	34.50
22 x30	..	37.95
24 x30	..	41.40
25 x30	..	43.15
24 x36	..	49.70
24 x40	..	55.20

Sizes	Per Doz.
28 x36	$ 58.00
30 x34	58.65
26 x40	59.80
30 x40	69.00
30 x60	103.50

Centimeter Sizes

Sizes	Per Doz.
4½x 6 cm.	$ 0.40
6 x 9	.50
6½x 9	.50
8 x 9	.55
9 x12	.80
8½x17	1.15
10 x15	1.15
12 x16½	1.25
12 x18	1.45
13 x18	1.45
18 x24	2.75
18 x26	3.15
21 x27	4.05
24 x30	5.50
30 x40	10.70
50 x60	26.75

*In ordering case lots, please specify if one-dozen package is wanted. Unless otherwise ordered, the two-dozen package will be supplied.

Eastman Positive Film

NOTE—Eastman Positive Film has no gelatin coating on the back. Prices same as Eastman Portrait Film—Par Speed. Case lots same as Eastman Portrait Film—Par Speed, except not regularly supplied in the two-dozen package.

Eastman Process Film—Positive

Heavy film of the same thickness as Eastman Commercial Film. May be used in place of Eastman Positive Film. Prices, case lots and packages same as Eastman Portrait Film—Par Speed, except that the 6½x8½ size is not regularly supplied in two-dozen packages.

Eastman Portrait Film *Super Speed*
Eastman Commercial Panchromatic
Eastman Process Panchromatic Film

List Prices

Sizes	No. Doz. in Case	Per Doz.
3¼x 4¼	30	$ 0.75
3¼x 5½	30	1.00
4 x 5	30	1.00
4¼x 6½	30	1.45
4¾x 6½	26	1.50
5 x 7	20	* 1.60
5 x 8	20	1.90
6½x 8½	12	* 2.45
7 x10	10	3.05
7 x11	10	3.55
8 x10	10	* 3.55
10 x12	3	6.20
7 x17	4	6.20
11 x14	3	8.90
8 x20	2	9.20
12 x20	2	13.95
14 x17	2	15.10
16 x20	..	20.25
17 x20	..	21.55
18 x22	..	25.10
20 x24	..	30.40
20 x26	..	32.90
22 x24	..	33.45
20 x28	..	35.45
22 x27	..	37.60
22 x28	..	39.00
20 x30	..	37.95
22 x30	..	41.75
24 x30	..	45.55
25 x30	..	47.50
24 x36	..	54.70
24 x40	..	60.75
28 x36	..	63.80
30 x34	..	64.55
26 x40	..	65.80
30 x40	..	75.90
30 x60	..	113.85

*In ordering case lots, please specify if one-dozen package is wanted. Unless otherwise ordered, the two-dozen package will be supplied.

Centimeter Sizes

Sizes	Per Doz.
4½x 6 cm.	$ 0.45
6 x 9	.55
6½x 9	.55
8 x 9	.65
9 x12	.90
8½x17	1.30
10 x15	1.30
12 x16½	1.40
12 x18	1.60
13 x18	1.60
18 x24	3.05
18 x26	3.50
21 x27	4.50
24 x30	6.05
30 x40	11.80
50 x60	29.45

Cirkut Film

Eastman N. C. Film for Cirkut Cameras. This film is furnished in Daylight-loading Cartridges.

For Cirkut Camera No. 5

	Per Roll		Per Roll
5 in. x15 in.	$0.30	5 in. x30 in.	$0.65
5 in. x20 in.	.45	5 in. x42 in.	.85

For Cirkut Outfits No. 6 and No. 8

6½ in. x 3 ft.	$0.95	8 in. x 4 ft.	$1.55
6½ in. x 6 ft.	1.90	8 in. x 8 ft.	3.10
6½ in. x10 ft.	3.10	8 in. x12 ft.	4.65

For Cirkut Cameras No. 10 and No. 16

6 in. x 5 ft.	$1.45	10 in. x10 ft.	$ 4.80
6 in. x10 ft.	2.90	10 in. x15 ft.	7.20
6 in. x15 ft.	4.35	10 in. x20 ft.	9.60
8 in. x 5 ft.	1.90	12 in. x 6 ft.	3.45
8 in. x10 ft.	3.80	12 in. x10 ft.	5.70
8 in. x15 ft.	5.70	12 in. x15 ft.	8.55
8 in. x20 ft.	7.60	16 in. x 6 ft.	4.60
10 in. x 4 ft.	1.90	16 in. x10 ft.	7.60
10 in. x 6 ft.	2.90	16 in. x20 ft.	15.20

IMPORTANT—Film for Cirkut Outfits No. 6 and No. 8 cannot be used in Cirkut Cameras, and film for Cirkut Cameras No. 10 and No. 16 cannot be used in Cirkut Outfits or attachments. In ordering, specify "for Cirkut Outfit" or "for Cirkut Camera."

Miscellaneous Film

Film for No. 00 Cartridge Premo

	Per Roll
Eastman Film Cartridge, 6 exposures 1¼x1¾, No. 35	$0.15

Kodak Film for Graflex Rollholders
6 Exposures Only

	Per Roll
No. 5 —3¼x2¼	$0.25
No. 51—4¼x3¼	.45
No. 52—5½x3¼	.55
No. 53—5 x4	.55
No. 54—7 x5	.95

Roll Holder Cartridges

In ordering Cartridges, be sure to state that they are for Cartridge Roll Holder, giving length of Spool and size of Roll Holder. Kodak Spools will not fit Cartridge Roll Holders.

	Per Roll
4¼-inch No. 108 Light-proof Film Cartridge, for No. 3 Vertical Cartridge Roll Holder, 6 exp.	$0.45
5-inch No. 110 Light-proof Film Cartridge, for No. 4 Vertical Cartridge Roll Holder, 6 exp.	.55

N. C. Film for Ensignette Camera

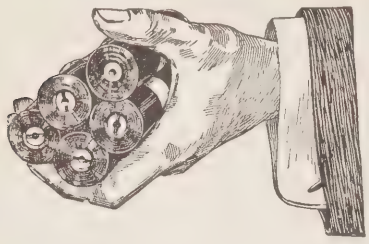
	Per Roll
Ensignette No. 1, 6 exposures, No. 128	$0.20
Ensignette No. 2, 6 exposures, No. 129	.25

N. C. Film for Verascope Camera

	Per Roll
6 exposures (45x107 mm.)	$0.35

Kodak Cartridge Film

The Reliable Film in the Yellow Box.



Non-Curling Film Cartridges

For Non-Autographic Kodaks or Cameras

No.	Size	No. Exp.			Per Roll
121	1⅝x2½	6			$0.20
127	1⅝x2½	8			.25
117	2¼x2¼	6			.20
120	2¼x3¼	6			.25
105	2¼x3¼	6	3 Exp. Pan.		.25
116	2½x4¼	6			.30
116	2½x4¼	12			.60
101*	3½x3½	6	No. 1 Stereo	3 Exp.	.35
101*	3½x3½	12	No. 1 Stereo	6 Exp.	.70
118	3¼x4¼	6			.45
124	3¼x4¼	6			.45
124	3¼x4¼	12			.90
119	3¼x4¼	6			.45
130	2⅞x4⅞	6			.45
122	3¼x5½	6			.55
122	3¼x5½	10			.90
125	3¼x5½	6			.55
103†	4 x5	6	2 Exp. Pan.		.55
103†	4 x5	10	4 Exp. Pan.		.90
123	4 x5	6			.55
104	5 x4	6			.55
126	4¼x6½	6			.75
115	7 x5	6			.95

*Also for 3¼x3¼ Kodak and Hawk-Eye Cameras taking 6 and 12 exposures.

†Also for No. 4 Bull's Eye Kodaks, Bullets and Weno Hawk-Eye, taking 6 and 10 exposures.

Autographic Film Cartridges

For Autographic or Non-Autographic Kodaks or Cameras

No.	Size	No. Exp.	Per Roll
A127	1⅝x2½	8	$0.25
A120	2¼x3¼	6	.25
A116	2½x4¼	6	.30
A116	2½x4¼	12	.60
A118	3¼x4¼	6	.45
A118	3¼x4¼	12	.90
A130	2⅞x4⅞	6	.45
A130	2⅞x4⅞	10	.75
A122	3¼x5½	6	.55
A122	3¼x5½	10	.90
A123	4 x5	6	.55
A126	4¼x6½	6	.75

Cine-Kodak Film—16 mm.

Kodacolor Film

(Permits taking 16 mm. motion pictures in full color.)
Per 50-foot roll, including processing and return charges to customer within the United States . . $6.00

Ciné-Kodak Film

100-foot Roll, including developing, reversing and return postage	6.00
50-foot Roll, including developing, reversing and return postage	4.00
Ciné-Kodak Panchromatic Film, 100-foot Roll, including developing, reversing and return postage	7.50
Duplicate Prints, 100-foot continuous length	5.00
Duplicate Prints, 50-foot continuous length	3.50

Motion Picture Negative Film—35 mm.

Eastman No. 10 Cartridge, length 100 ft., perforated. For use in standard (35 mm.) Automatic Motion Picture Cameras.

Super Speed	$7.50
Panchromatic	7.50

Kodak Film Packs

12 Exposures Only

No.	Inches	Centimeters	Per Pack
500	1¾x2⅜	4½x 6	$0.35
540	1¾x4¼	4–5/10x10–7/10	.55
520	2¼x3¼	6 x 9	.50
516	2½x4¼	6½x11	.60
531	2$\frac{9}{32}$x5$\frac{11}{32}$	6 x13	.90
518	3¼x4¼	8 x10½	.90
542	3 x5¼	7½x13½	1.00
522	3¼x5½	8 x14	1.10
543	3¾x5½	10 x15	1.35
523	4 x5	10 x12½	1.10
526	4¾x6½	12 x16½	1.75
515	5 x7	13 x18	1.90
541	3½x4¾	9 x12	1.00

Amateur Cut Film

Kodak Cut Film

	Per Dozen Sheets Regular Speed	Super Speed
2¼x3¼	$0.45	$0.50
2½x3½	.45	.50
3¼x4¼	.65	.75
3¼x5½	.90	1.00
4 x5	.90	1.00
5 x7	1.45	1.60

NOTE

Retail selling prices, only, are shown above. Write for special discounts which are offered to photographers and photo finishers on Kodak Films and Film Packs.

Eastman Plates

Eastman Plates cover the entire range of photographic requirements. There is an Eastman Plate for every purpose.

Eastman 40 is the ideal fast plate for portraiture.

Eastman 36 is a fine plate for portraiture and landscape work.

Eastman Speedway has the extreme speed that fits it to general photography under unfavorable conditions of light.

Eastman Process is a slow plate for copying and similar work.

Eastman Universal is an excellent plate for portraiture, view and commercial work.

Eastman Polychrome is highly sensitive to yellow and green and is an excellent plate for portraiture or landscape work.

Eastman Commercial is a plate of medium slow speed with excellent orthochromatic quality.

Eastman D. C. (Double Coated) Ortho is an excellent combination of orthochromatic and non-halation qualities.

Eastman S. C. (Single Coated) Ortho is an excellent color-sensitive plate for general work.

Eastman 33 is a slow plate especially suited for commercial work.

Eastman Post Card Plates are for quick-finish work.

Eastman Lantern Slide Plates are made in two speeds—the Regular for normal negatives—the Slow for soft negatives.

Eastman 40, 36, Speedway, Process, Universal, Polychrome, Commercial 33 and S. C. Ortho

Sizes	Case Wt. Lbs.	No. Doz. in Case	Per Dozen
2½x 2½	15	30	$0.40
2¼x 3¼	22	30	.45
3¼x 3½	30	30	.55
3½x 3½	30	30	.55
3¼x 4¼	35	30	.65
3¼x 5½	50	30	.90
4 x 5	50	30	.90
4¼x 5½	60	30	1.05
3¼x 6½	55	30	1.05
4¼x 6½	65	30	1.30
4¾x 6½	65	26	1.35
5 x 7	60	20	1.45
5 x 8	65	20	1.70
6½x 8½	55	12	2.20
7 x10	60	10	2.75
8 x10	70	10	3.20
7 x11	70	10	3.20
7 x17	75	4	7.50
10 x12	45	3	5.60
11 x14	55	3	8.05
14 x17	55	2	13.80
12 x20	60	2	22.00
16 x20	75	1½	24.75
17 x20	80	1½	26.75
18 x22	75	1	34.25
20 x24	75	1	42.75

Eastman D. C. Ortho

Sizes	Case Wt. Lbs.	No. Doz. in Case	Per Dozen
2½x 2½	15	30	$0.50
2¼x 3¼	22	30	.55
3¼x 3½	30	30	.65
3½x 3½	30	30	.65
3¼x 4¼	35	30	.80
3¼x 5½	50	30	1.10
4 x 5	50	30	1.10
4¼x 5½	60	30	1.30
4¼x 6½	65	30	1.65
4¾x 6½	65	26	1.70
5 x 7	60	20	1.80
5 x 8	65	20	2.10
6½x 8½	55	12	2.75
7 x10	60	10	3.45
8 x10	70	10	4.00
7 x11	70	10	4.00
7 x17	75	4	10.00
10 x12	45	3	7.00
11 x14	55	3	10.05
14 x17	55	2	17.25
12 x20	60	2	27.25
16 x20	75	1½	30.75
17 x20	80	1½	33.25
18 x22	75	1	42.75
20 x24	75	1	53.25

Wratten & Wainwright Panchromatic, Process Panchromatic Wratten "M" Plates

Sizes	Case Wt. Lbs.	No. Doz. in Case	Per Dozen
3½x 3½	30	30	$ 0.65
3¼x 4¼	36½	30	.80
3¼x 5½	50	30	1.10
4 x 5	51½	30	1.10
4¼x 6½	65	30	1.65
5 x 7	58	20	1.80
6½x 8½	54	12	2.75
8 x10	65	10	4.00
7 x11	61	10	4.00
10 x12	45	3	7.00
11 x14	55	3	10.05
14 x17	55	2	17.25
12 x20	60	2	27.25
16 x20	95	1½	30.75
18 x22	58	1	42.75
20 x24	70	1	53.25

Eastman Lantern Slide Plates Regular and Slow

Sizes	No. Doz. in Case	Per Dozen
3¼x4	30	$0.50
3¼x3¼ Eng. size	30	.50
6½x8	12	2.00

Eastman Post Card Plates

Sizes	Case Wt. Lbs.	No. Doz. in Case	Per Dozen
2½x2½	58	100	$0.40
3¼x4¼	35	30	.65
3¼x5½	45	30	.90
4 x5	50	30	.90
4¼x6½	70	30	1.30

Defender Dry Plates

Seed Lantern Slide (Yellow Label) Standard Regular Lantern Slide

Size	No. Doz. in Case	Per Dozen
3¼x4	30	$0.50
3¼x4	9 *	.50
3¼x3¼ Eng. Size	30	.50
6½x8	12	2.00

*90 Dozen Case—Standard Regular only.

Standard Post Card Plates

Size	Case Weight Lbs.	No. of Doz. in Case.	Per Dozen
2½x2½	58	100	$0.40
3¼x4¼	35	30	.65
3¼x5½	45	30	.90
4 x5	50	30	.90
4¼x6½	70	30	1.30

Defender Dry Plates

Seed 27 (Gilt Edge) Seed 26X Seed Process Seed Panchromatic Stanley Regular Standard Extra Imperial Seed 23 Seed L Ortho

Size	Case Weight Lbs.	No. of Doz. in Case	Per Dozen
2½x 2½	15	30	$ 0.40
2¼x 3¼	22	30	.45
3¼x 3½	30	30	.55
3½x 3½	30	30	.55
3¼x 4¼	35	30	.65
3¼x 5½	50	30	.90
4 x 5	50	30	.90
4¼x 5½	60	30	1.05
3¼x 6½	55	30	1.05
4¼x 6½	65	30	1.30
4¾x 6½	65	26	1.35
5 x 7	60	20	1.45
5 x 8	65	20	1.70
6½x 8½	55	12	2.20
7 x10	60	10	2.75
8 x10	70	10	3.20
7 x11	70	10	3.20
7 x17	75	4	7.50
10 x12	45	3	5.60
11 x14	55	3	8.05
14 x17	55	2	13.80
12 x20	60	2	22.00
16 x20	75	1½	24.75
17 x20	80	1½	26.75
18 x22	75	1	34.25
20 x24	75	1	42.75

Seed Non-Halation L Ortho Standard Orthonon

Size	Case Weight Lbs.	No. of Doz. in Case	Per Dozen
2½x 2½	15	30	$ 0.50
2¼x 3¼	22	30	.55
3¼x 3½	30	30	.65
3½x 3½	30	30	.65
3¼x 4¼	35	30	.80
3¼x 5½	50	30	1.10
4 x 5	50	30	1.10
4¼x 5½	60	30	1.30
4¼x 6½	55	30	1.65
4¾x 6½	65	26	1.70
5 x 7	60	20	1.80
5 x 8	65	20	2.10
6½x 8½	55	12	2.75
7 x10	60	10	3.45
8 x10	70	10	4.00
7 x11	70	10	4.00
7 x17	75	4	10.00
10 x12	45	3	7.00
11 x14	55	3	10.05
14 x17	55	2	17.25
12 x20	60	2	27.25
16 x20	75	1½	30.75
17 x20	80	1½	33.25
18 x22	75	1	42.75
20 x24	75	1	53.25

Hammer Dry Plates

Press (Ultra Rapid)
Special (Red Label)
Transparency
Process
Extra Fast (Blue Label)
Slow
Commercial Orthochromatic
Medium Speed Commercial

Size	Dozen in Case	Per Dozen
2½x 2½	30	$ 0.40
2½x 4	30	.45
2¼x 3¼	30	.45
3½x 3½	30	.55
3¼x 4¼	30	.65
3¼x 5½	30	.90
4 x 5	30	.90
4¼x 5½	30	1.05
4¼x 6½	30	1.30
4¾x 6½	26	1.35
5 x 7	20	1.45
5 x 8	20	1.70
6½x 8½	12	2.20
7 x10	12	2.75
8 x10	12	3.20
5 x12	4	3.00
7 x11	12	3.20
10 x12	4	5.60
11 x14	4	8.05
7 x17	4	7.50
14 x17	3	13.80
8 x20	2	17.50
12 x20	2	22.00
16 x20	2	24.75
17 x20	2	26.75
18 x22	1½	34.25
20 x24	1	42.75
45 x107mm	30	.55

10x12 and larger packed ½ dozen to the box; smaller sizes, 1 dozen to the box.

Hammer Lantern Slide Plates

(Yellow Label and White Label)

Yellow Label runs about 24 to 28 to the inch.
White Label runs about 18 to 20 to the inch.

Size	Dozen in Case	Per Dozen
3¼x3¼	30	$0.50
3¼x4	30	.50
6½x8	12	2.00

White Label of Special Packing.
(3 dozen plates to the package.)

Size	Dozen in Case	Per Dozen
3¼x4	90	$0.50

Hammer Photo Postal Plates

Size	Dozen in Case	Per Dozen
2½x2½	100	$0.40
3¼x4¼	36	.65
3¼x5½	30	.90
4 x5	30	.90
4¼x6½	30	1.30

Hammer Dry Plates

Aurora Non-Halation
Special Aurora Non-Halation
Double Coated Orthochromatic
Special D. C. Orthochromatic

Size	Dozen in Case	Per Dozen
3¼x 4¼	18	$ 0.80
3¼x 5½	18	1.10
4 x 5	12	1.10
4¼x 5½	12	1.30
4¼x 6½	12	1.65
4¾x 6½	12	1.70
5 x 7	12	1.80
5 x 8	12	2.10
6½x 8½	8	2.75
7 x10	6	3.45
8 x10	6	4.00
5 x12	2	3.75
7 x11	6	4.00
10 x12	2	7.00
11 x14	2	10.05
7 x17	2	10.00
14 x17	1½	17.25
8 x20	1	22.00
12 x20	1	27.25
16 x20	1	30.75
17 x20	1	33.25
18 x22	1	42.75
20 x24	1	53.25
45 x107mm	30	.70

Hammer Dry Plates

Special Orthochromatic
Extra Fast Orthochromatic
Slow Orthochromatic

Sizes and list prices are the same as for Press (Ultra Rapid) shown in opposite column. The number of dozen in case is different. Write for special list.

Hammer Opal and Ground Glass Transparency Plates

These plates will be found especially suited for the making of hand colored transparencies and miniatures.

Size	Dozen in Case	Per Dozen
3¼x 4¼	18	$ 1.50
4 x 5	15	1.75
4¼x 6½	15	3.00
5 x 7	12	3.60
5 x 8	12	4.30
6½x 8½	6	5.80
8 x10	6	8.60
10 x12	2	13.80
11 x14	2	16.80

Packed half dozen to the box.

Vitava

Vitava offers the photographer a paper of the highest quality for every branch of professional photographic work.

The Athena brand for *contact printing* is supplied in twenty different grades and a variety of surfaces. Both single and double weight stocks are available.

Vitava Athena

A—White, single weight,
B—White, double weight, smooth semi-matte surface,
C—White, smooth matte, double weight,
D—White, medium rough, double weight, matte surface,
E—Rough, Buff, double weight, medium rough matte surface,
E—Smooth, light Buff, double weight, matte surface,
E—Semi-matte, light Buff, double weight, smooth surface,
F—White, single weight, glossy surface, two degrees of contrast, No. 2, normal—No. 3, medium,
J—Buff Rough, lustre, double weight,
L—White Rough, lustre, double weight,
M—Ivory White, double weight, "Old Master" half canvas surface, slight lustre,
N—White Rough, lustre, single weight,
O—Buff, double weight, "Old Master" half canvas surface, slight lustre,
R—White, double weight, slight lustre, linen finish surface,
S—Buff, double weight, slight lustre, linen finish surface,
T—Parchment White, thin translucent parchmentized stock,
V—"Old Ivory" ivory tinted stock, smooth double weight,
W—"Old Ivory" ivory tinted stock, medium rough semi-matte, double weight,
X—Silk Old Ivory, semi-matte, double weight,
Y—Silk-Cream White, semi-matte, double weight.

Vitava Etching Brown

Vitava Etching Brown is considerably faster than regular brands of contact printing papers and is supplied in the following grades:

B—White, double weight, smooth semi-matte surface,
K—Buff, double weight, smooth semi-matte surface,
D—White, double weight, rough surface with slight lustre,
H—Buff, double weight, rough surface with slight lustre.

Vitava Rapid Black For Enlarging

A—White, single weight,
B—White, double weight, smooth semi-matte surface,
C—White, double weight, smooth matte surface,
D—White, double weight, medium rough matte surface,
E—Rough Buff, double weight, matte surface,
E—Smooth Buff, double weight, matte surface,
F—White, single weight, glossy surface,
G—White, single weight, smooth surface, slight lustre,
J—Buff, double weight, medium rough lustre surface,
L—White, double weight, medium rough lustre surface.

Vitava Projection Developing-Out Paper for Enlarging

Vitava Projection Paper has about three times the speed of Vitava Rapid Black so that it can be used in the printing room safely without reducing the light to the degree necessary when regular Bromide papers are used.

It is furnished in surfaces that correspond with Vitava Athena enabling you to make projection prints in the same surfaces and weights as you use for Vitava contact prints.

Another advantage lies in the fact that each of its nineteen grades is supplied in two contrasts—No. 2, for normal negatives and No. 3, medium, for softer negatives.

List price for the double weight is the same as for Vitava Rapid Black, Double Weight, and for the single weight, the same as for Vitava Rapid Black, Single Weight.

Nineteen grades of Vitava Projection Paper:

A—Cream White, single weight, semi-matte
B—Cream White, double weight, semi-matte,
C—Cream White, double weight, matte,
D—White Rough, double weight, matte,
E—Buff Rough, double weight, matte, rough,
E—Buff Semi-Matte, double weight, semi-matte,
E—Buff Smooth, double weight, matte, smooth,
F—White, single weight, glossy,
J—Buff Rough, double weight, lustre,
L—White Rough, double weight, lustre,
M—Cream White, double weight, Old Master,
N—White Rough, single weight, lustre
O—Buff, double weight, Old Master,
R—White, double weight, linen,
S—Buff, double weight, linen,
V—Old Ivory, double weight, smooth semi-matte,
W—Old Ivory, double weight, medium rough, semi-matte,
X—Silk Old Ivory, double weight, semi-matte,
Y—Silk Cream White, double weight, semi-matte.

Vitava Zelta For Contact Printing

Similar to Athena but produces prints of a colder black tone.

C—White, double weight, smooth matte surface,
K—Buff, double weight, smooth matte surface.

Vitava Alba For Contact Printing

Similar to Athena but furnished in several degrees of contrast.

A—White, single weight, smooth semi-matte, No. 1 soft, No. 3 medium, No. 4 hard,
B—White, double weight, smooth semi-matte, No. 1 soft, No. 3 medium.

List Prices—Vitava Papers

Vitava Single Weight—Athena A, F and N

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cabinet	....	$ 1.10	$ 2.00
4 x 5	....	1.10	2.00
4 x 6	....	1.25	2.25
4¼x 6½	....	1.65	2.80
4¾x 6½	$0.35	1.90	3.35
4 x 8	.35	1.90	3.40
5 x 7	.35	2.00	3.50
5 x 8	.40	2.25	4.00
6 x 8	.50	2.75	5.00
6½x 8½	.60	3.25	6.00
7 x 9	.65	3.75	7.00
7½x 9½	.75	4.25	8.00
7 x11	.80	4.75	9.00
8 x10	.80	4.75	9.00
9 x11	1.00	5.75	11.00
10 x12	1.20	7.00	13.50
11 x14	1.60	9.25	17.50
12 x15	1.80	10.85	20.70
14 x17	2.40	14.00	27.00
16 x20	3.20	18.50	36.00
17 x20	3.40	20.00	39.00
18 x22	4.00	23.50	46.00
20 x24	4.80	28.00	55.00
10-ft. rolls (20 in. wide), per roll			1.90
10-ft. rolls (40 in.wide), per roll			3.80
10-yd. rolls (20 in. wide), per roll			5.00
10-yd. rolls (40 in. wide), per roll			10.00

Vitava Single Weight—Alba A

Sizes	Doz.	½ Gross	Gross
3⅞x 5½	....	$ 1.10	$ 2.00
4 x 5	....	1.10	2.00
4 x 6	....	1.25	2.25
4¼x 6½	....	1.65	2.80
4¾x 6½	$0.35	1.90	3.35
4 x 8	.35	1.90	3.40
5 x 7	.35	2.00	3.50
5 x 8	.40	2.25	4.00
6 x 8	.50	2.75	5.00
6½x 8½	.60	3.25	6.00
7 x 9	.65	3.75	7.00
7½x 9½	.75	4.25	8.00
7 x11	.80	4.75	9.00
8 x10	.80	4.75	9.00
9 x11	1.00	5.75	11.00
10 x12	1.20	7.00	13.50
11 x14	1.60	9.25	17.50
12 x15	1.80	10.85	20.70
14 x17	2.40	14.00	27.00
16 x20	3.20	18.50	36.00
17 x20	3.40	20.00	39.00
18 x22	4.00	23.50	46.00
20 x24	4.80	28.00	55.00
Rolls		10-Ft.	10-Yd.
20 inches wide		$1.65	$4.35
40 inches wide		3.30	8.70

Vitava Single Weight
Rapid Black A, F and G
Vitava Projection Developing-Out Paper—A, F and N

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cabinet	....	$0.85	$ 1.50
4 x 5	....	.85	1.50
4 x 6	....	.95	1.70
4¼x 6½	....	1.20	2.10
4¾x 6½	$0.30	1.40	2.40
5 x 7	.30	1.50	2.65
5 x 8	.30	1.75	3.00
6 x 8	.40	2.10	3.75
6½x 8½	.45	2.50	4.50
7 x 9	.50	2.85	5.25
7½x 9½	.60	3.25	6.00
7 x11	.60	3.60	6.75
8 x10	.60	3.60	6.75
9 x11	.75	4.35	8.25
10 x12	.90	5.30	10.15
11 x14	1.20	6.80	13.15
12 x15	1.35	8.15	15.55
14 x17	1.80	10.40	20.25
16 x20	2.40	14.00	27.00
17 x20	2.55	15.00	29.25
18 x22	3.00	18.00	34.50
20 x24	3.60	21.50	41.25
10-ft. rolls (20 in. wide), per roll			1.25
10-ft. rolls (40 in. wide), per roll			2.50
10-yd. rolls (20 in. wide), per roll			3.35
10-yd. rolls (40 in. wide), per roll			6.70

Vitava Double Weight
Rapid Black B, C, D, E, J and L
Vitava Projection Developing-Out Paper
B, C, D, E, J, L, M, O, R, S, V, W, X and Y

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cabinet	....	$ 1.10	$ 2.00
4 x 5	....	1.10	2.00
4 x 6	....	1.25	2.25
4¼x 6½	....	1.65	2.80
4¾x 6½	$0.35	1.85	3.15
5 x 7	.35	2.00	3.50
5 x 8	.40	2.25	4.00
6 x 8	.50	2.75	5.00
6½x 8½	.60	3.25	6.00
7 x 9	.65	3.75	7.00
7½x 9½	.75	4.25	8.00
7 x11	.80	4.75	9.00
8 x10	.80	4.75	9.00
9 x11	1.00	5.75	11.00
10 x12	1.20	7.00	13.50
11 x14	1.60	9.25	17.50
12 x15	1.80	10.85	20.70
14 x17	2.40	14.00	27.00
16 x20	3.20	18.50	36.00
17 x20	3.40	20.00	39.00
18 x22	4.00	23.50	46.00
20 x24	4.80	28.00	55.00
Rolls		10-Ft.	10-Yd.
20 inches wide		$1.65	$4.35
40 inches wide		3.30	8.70

List Prices—Vitava Papers

Vitava Double Weight
Athena B, C, D, E, J, L, V, W, X and Y
Etching Brown, B, D, H, and K
Zelta C and K

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cabinet	....	$ 1.40	$ 2.50
4 x 5	....	1.40	2.50
4 x 6	....	1.50	2.80
4¼x 6½	....	2.05	3.50
4¾x 6½	$0.45	2.45	4.20
4 x 8	.45	2.45	4.30
5 x 7	.45	2.50	4.40
5 x 8	.50	2.80	5.00
6 x 8	.65	3.45	6.25
6½x 8½	.75	4.05	7.50
6 x10	.80	4.60	8.45
7 x 9	.80	4.70	8.75
7½x 9½	.90	5.25	10.00
7 x11	1.00	5.95	11.25
8 x10	1.00	5.95	11.25
8 x12	1.25	7.20	13.55
9 x11	1.25	7.20	13.75
10 x12	1.50	8.75	16.90
9 x14	1.85	9.65	18.15
11 x14	2.00	11.55	21.90
12 x15	2.25	13.25	25.9
12 x17	2.80	15.20	29.15
14 x17	3.00	17.50	33.75
14 x18	3.35	18.45	35.65
16 x20	4.00	23.15	45.00
17 x20	4.25	24.85	48.75
18 x22	5.00	29.40	57.50
20 x24	6.00	35.00	68.75
10-ft. rolls (20 in. wide), per roll			2.25
10-ft. rolls (40 in. wide), per roll			4.50
10-yd. rolls (20 in. wide), per roll			5.85
10-yd. rolls (40 in. wide), per roll			11.70

Vitava Double Weight—Alba B

Sizes	Doz.	½ Gross	Gross
4 x 6	....	$ 1.35	$ 2.50
4¼x 6½	....	1.70	3.15
4¾x 6½	$0.40	2.00	3.50
5 x 7	.40	2.20	3.90
5 x 8	.45	2.50	4.50
6 x 8	.60	3.15	5.65
6½x 8½	.70	3.60	6.75
6 x10	.75	4.10	7.65
7 x 9	.75	4.20	7.90
7½x 9½	.85	5.10	9.00
7 x11	.90	5.25	10.00
8 x10	.90	5.25	10.00
8 x12	1.15	6.45	12.35
9 x11	1.15	6.45	12.50
10 x12	1.35	7.75	15.00
9 x14	1.70	8.55	16.40
11 x14	1.80	10.20	19.75
12 x15	2.00	12.20	23.25
12 x17	2.55	13.50	25.95
14 x17	2.70	15.50	30.00
16 x20	3.60	20.75	40.50
20 x24	5.40	32.00	62.50
10-ft. rolls (20 in. wide), per roll			1.90
10-ft. rolls (40 in. wide), per roll			3.80
10-yd. rolls (20 in. wide), per roll			5.60
10-yd. rolls (40 in. wide), per roll			11.20

Vitava Double Weight
Vitava Athena Old Master M and O
Linen Finish R and S
Parchment T Thin

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cabinet	....	$ 1.55	$ 2.75
4 x 5	....	1.55	2.75
4 x 6	....	1.65	3.10
4¼x 6½	....	2.25	3.85
4 x 8	$0.50	2.70	4.75
5 x 7	.50	2.75	4.85
5 x 8	.55	3.10	5.50
6 x 8	.70	3.80	6.90
6½x 8½	.85	4.45	8.25
6 x10	.90	5.05	9.30
7 x 9	.90	5.15	9.65
7½x 9½	1.00	5.80	11.00
7 x11	1.10	6.55	12.40
8 x10	1.10	6.55	12.40
8 x12	1.40	7.90	14.90
9 x11	1.40	7.90	15.15
10 x12	1.65	9.65	18.60
9 x14	2.05	10.60	19.95
11 x14	2.20	12.70	24.10
12 x15	2.50	14.60	28.50
12 x17	3.10	16.70	32.05
14 x17	3.30	19.25	37.15
14 x18	3.70	20.30	39.20
16 x20	4.40	25.45	49.50
17 x20	4.70	27.35	53.65
18 x22	5.50	32.35	63.25
20 x24	6.60	38.50	75.65
10-ft. rolls (20 in. wide), per roll			2.50
10-ft. rolls (40 in. wide), per roll			5.00
10-yd. rolls (20 in. wide), per roll			6.45
10-yd. rolls (40 in. wide), per roll			12.90

Vitava Backing Paper

Coated with a Non-Sensitive Emulsion
Semi-Matte, White Stock
Single Weight

Sizes	Gross
4 x 5	$ 1.15
3⅞x 5½ Cabinet	1.15
5 x 7	1.90
5 x 8	2.20
6 x 8	2.50
7 x 9	3.00
8 x10	4.00
9 x11	4.50
10 x12	5.40
11 x14	6.70
12 x15	7.50
14 x17	10.00
16 x20	16.00
20 x24	24.00

ROLLS

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$0.95	$2.40
40 inches wide	1.90	4.80

P. M. C. Bromide

P. M. C. Bromide is an excellent, moderate priced paper for commercial and photo finishing enlarging.

The rapid emulsion of this paper enables you to make enlargements of any size, even from the densest negatives. It is furnished in a very wide variety of surfaces and contrasts and in single and double weight.

P. M. C. Bromide (Single Weight)

GRADE No. 1—Glossy (White stock) *Regular* and *Contrast*

GRADE No. 2—Smooth, semi-matte, *Regular* and *Contrast*

GRADE No. 3—Medium Rough, absolute matte, *Regular* and *Contrast*

GRADE No. 4—Glossy (Pense) *Regular*

GRADE No. 5—Smooth, absolute matte, *Regular*

Sizes	Doz.	½ Gross	Gross
3¼x 5½	$0.20	....	$ 1.75
4 x 5	.20	....	1.90
3⅞x 5½	.20	....	1.90
4 x 6	.20	....	2.10
4¼x 6½	.25	....	2.50
4¾x 6½	.35	....	2.95
5 x 7	.35	$ 1.70	3.25
5 x 8	.35	1.90	3.65
3½x12	.40	2.05	3.90
5½x 7¾	.40	2.05	3.90
6 x 8	.45	2.30	4.40
6½x 8½	.50	2.80	5.25
7 x 9	.60	3.05	5.80
7½x 9½	.65	3.45	6.60
7 x11	.75	3.90	7.40
8 x10	.75	3.90	7.40
9 x11	.95	4.85	9.25
10 x12	1.15	6.00	11.40
11 x14	1.40	7.35	14.00
12 x15	1.60	8.35	15.90
14 x17	2.10	11. 0	21.00
16 x20	2.80	14.70	28.00
17 x20	3.00	15.75	30.00
18 x22	3.50	18.40	35.00
20 x24	4.20	22.00	42.00

P. M. C. Bromide Paper in Rolls

Single Weight

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.70	$ 5.10
40 inches wide	3.40	10.20

P. M. C. Bromide (Double Weight)

GRADE No. 6—Smooth, absolute matte, *Regular*

GRADE No. 7—Rough, absolute matte, *Regular*, *Medium* and *Contrast*

GRADE No. 8—Rough, semi-matte, buff stock, *Regular* and *Contrast*

GRADE No. 9—Slightly rough, semi-gloss, *Regular*, *Medium* and *Contrast*

GRADE No. 10—Glossy white stock, *Regular*, *Medium* and *Contrast*

Sizes	Doz.	½ Gross	Gross
3¼x 5½	$0.25	....	$ 2.20
3¼x 6	.25	....	2.40
4 x 5	.25	....	2.40
3⅞x 5½	.25	....	2.40
3⅞x 5⅞	.25	....	2.60
4 x 6	.25	....	2.60
4¼x 6½	.30	....	3.10
4¾x 6½	.40	....	3.70
5 x 7	.40	$2.15	4.10
5 x 8	.45	2.40	4.55
3½x12	.50	2.55	4.90
5½x 7¾	.50	2.55	4.90
6 x 8	.55	2.90	5.50
6½x 8½	.65	3.45	6.55
7 x 9	.75	3.80	7.25
7½x 9½	.85	4.30	8.25
7 x11	.95	4.85	9.25
8 x10	.95	4.85	9.25
9 x11	1.15	6.05	11.55
10 x12	1.45	7.50	14.25
11 x14	1.75	9.20	17.50
12 x15	2.00	10.45	19.90
14 x17	2.65	13.80	26.25
16 x20	3.50	18.40	35.00
17 x20	3.75	19.75	37.50
18 x22	4.40	22.95	43.75
20 x24	5.25	27.55	52.50

Special cut sizes at proportionate prices on orders of a dozen or more, amounting to $1.00 list or more.

Insurance Bromide

Grades A, very thin stock, and B, medium thin stock. Extremely fast, matte surface, contrast paper.

In rolls 11 inches wide, per 100 feet . . . . . $ 3.85

In sheets 8 x 11 inches, per 1,000 sheets 26.25

P. M. C. Bromide Paper in Rolls

Double Weight

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$2.10	$ 6.30
40 inches wide	4.20	12.60

Any width up to 40 inches, other than the above, furnished in rolls not less than 10 yards in length.

Eastman Bromide Papers

Eastman Bromide Papers are the standard of fast papers for general enlarging. They are furnished in the following weights and surfaces: Standard, Matte Enamel, Enameled, Velvet, Brilliant Velvet, Royal and News Bromide.

STANDARD—B, Smooth semi-matte; C, Medium Rough, absolute matte,
STANDARD—BB, Smooth, absolute matte; CC, Rough, absolute matte; double weight,
MATTE-ENAMEL, Smooth Matte surface,
ENAMELED, Glossy surface, pense,
VELVET, Semi-Gloss,
BRILLIANT VELVET, Semi-Gloss (contrast)
ROYAL, Smooth, semi-matte. Medium weight Buff stock.

Eastman Bromide Papers (Single Weight)

Standard B, C, Matte-Enamel, Enamel, Velvet, Brilliant Velvet and Royal

Sizes	Doz.	½ Gross	Gross
3¼x 5½	$ .25	....	$ 2.65
3¼x 6	.30	....	2.80
4 x 5	.30	....	2.80
3⅞x 5½	.30	....	2.80
3⅞x 5⅞	.30	....	3.15
4 x 6	.30	....	3.15
4¼x 6½	.40	....	3.75
4¾x 6½	.50	....	4.40
5 x 7	.50	$ 2.60	4.90
5 x 8	.55	2.90	5.50
3½x12	.60	3.10	5.85
5½x 7¾	.60	3.10	5.85
6 x 8	.65	3.65	6.60
6½x 8½	.80	4.10	7.90
7 x 9	.90	4.55	8.70
7½x 9½	1.00	5.20	9.90
7 x11	1.10	5.85	11.15
8 x10	1.10	5.85	11.15
9 x11	1.40	7.30	13.90
10 x12	1.70	9. 0	17.10
11 x14	2.10	11.00	21.00
12 x15	2.40	12.50	23.85
14 x17	3.15	16.55	31.50
16 x20	4.20	22.00	42.00
17 x20	4.50	23.65	45.00
18 x22	5.25	27.55	52.50
20 x24	6.30	33.00	63.00

Special cut sizes at proportionate prices on orders of a dozen or more amounting to $1.00 list or more.

Eastman Bromide Papers (Double Weight)

Standard BB (smooth) and CC (rough)

Sizes	Doz.	½ Gross	Gross
3¼x 5½	$0.35	....	$ 3.30
3¼x 6	.35	....	3.50
4 x 5	.35	....	3.50
3⅞x 5½	.35	....	3.50
3⅞x 5⅞	.40	....	3.95
4 x 6	.40	....	3.95
4¼x 6½	.50	....	4.70
4¾x 6½	.60	....	5.50
5 x 7	.60	$ 3.25	6.15
5 x 8	.70	3.65	6.90
3½x12	.75	3.85	7.30
5½x 7¾	.75	3.85	7.30
6 x 8	.85	4.35	8.25
6½x 8½	1.00	5.20	9.90
7 x 9	1.10	5.70	10.90
7½x 9½	1.25	6.50	12.40
7 x11	1.40	7.35	13.95
8 x10	1.40	7.35	13.95
9 x11	1.75	9.15	17.40
10 x12	2.15	11.25	21.40
11 x14	2.65	13.80	26.25
12 x15	3.00	15.65	29.80
14 x17	3.95	20.70	39.40
16 x20	5.25	27.55	52.50
17 x20	5.65	29.50	56.25
18 x22	6.55	34.45	65.65
20 x24	7.90	41.35	78.75

Special cut sizes at proportionate prices on orders of a dozen or more amounting to $1.00 list or more.

Eastman Bromide Papers in Rolls

Single Weight

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$2.55	$ 7.65
40 inches wide	5.10	15.30

Eastman Bromide Paper in Rolls

Double Weight

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$3.20	$ 9.60
40 inches wide	6.40	19.20

Eastman Portrait Bromide

For enlarging or projection printing from portrait negatives there is no paper that so completely meets the requirements of the portrait photographer. Eastman Portrait Bromide is furnished in Old Master, Rough Matte and Rough Lustre surfaces in both white and buff stocks and in Parchment. It produces brilliant prints, full of gradation and may be redeveloped to a beautiful sepia.

Double Weight

D (White), Rough Matte	E (Buff), Rough Lustre
D (White), Rough Lustre	M (White), Old Master
E (Buff), Rough Matte	O (Buff), Old Master

Single Weight

T Parchment, thin white stock

Sizes	Doz.	½ Gross	Gro
4 x 6	$0.30	....	$ 2.80
4¼x 6½	.35	....	3.50
4¾x 6½	.45	....	3.95
5 x 7	.45	$ 2.50	4.40
5 x 8	.50	2.80	5.00
6 x 8	.65	3.45	6.25
6½x 8½	.75	4.05	7.50
7 x 9	.80	4.70	8.75
7½x 9½	.90	5.25	10.00
7 x11	1.00	5.95	11.25
8 x10	1.00	5.95	11.25
9 x11	1.25	7.20	13.75
10 x12	1.50	8.75	16.90
11 x14	2.00	11.55	21.90
12 x15	2.25	13.25	25.90
14 x17	3.00	17.50	33.75
16 x20	4.00	23.15	45.00
17 x20	4.25	24.85	48.75
18 x22	5.00	29.40	57.50
20 x24	6.00	35.00	68.75

Rolls	10-ft. Rolls	10-yd. Rolls
20 inches wide	$2.25	$ 5.85
40 inches wide	4.50	11.70

Eastman Proof Paper

Semi-Matte or Glossy

Sizes	Doz.	½ Gross	Gross
3⅞x 5½ Cab.	....	....	$ 1.35
4 x 6	....	....	1.50
4¾x 6½	$0.25	....	2.10
5 x 7	.25	$1.20	2.30
5 x 8	.30	1.35	2.60
6 x 8	.35	1.65	3.15
6½x 8½	.40	2.00	3.75
7 x 9	.45	2.20	4.15
7½x 9½	.50	2.45	4.70
7 x11	.55	2.80	5.30
8 x10	.55	2.80	5.30
9 x11	.65	3.45	6.60
10 x12	.80	4.25	8.15
11 x14	1.00	5.25	10.00

Rolls	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.00	$3.00
40 inches wide	2.00	6.00

Eastman News Bromide

A physically hardened paper of excellent quality, specially suited to quick-finish enlarging necessary in news photography.

Single Weight, Glossy
Normal, Medium and *Contrast*

Sizes	Doz.	½ Gross	Gross
5 x 7	$0.35	$ 1.70	$3.25
6½x 8½	.50	2.80	5.25
8 x10	.75	3.90	7.40
10 x12	1.15	6.00	11.40
11 x14	1.40	7.35	14.00
14 x17	2.10	11.00	21.00
16 x20	2.80	14.70	28.00
18 x22	3.50	18.40	35.00
20 x24	4.20	22.00	42.00

Eastman News Bromide in Rolls

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.70	$ 5.10
40 inches wide	3.40	10.20

Solar Bromide

Medium speed, single weight, matte surface for contact printing.

Sizes	500 Sheets	100 Sheets
6½x 8½	$ 9.00	$ 2.00
8 x10	13.00	2.90
9 x11	16.00	3.60
11 x14	25.00	5.50
14 x17	38.00	8.40
16 x20	50.00	11.00
18 x22	62.00	13.70
20 x24	75.00	16.50
22 x27	93.00	20.50
30 x40	188.00	41.40

Any quantity of one size, over 100 sheets but under 500 sheets will take the 100 sheet rate.

Solar Bromide in Rolls

	10 yds.	100 yds.
20-inch trimmed or 20½-inch untrimmed	$2.40	$21.60
40-inch trimmed or 41-inch untrimmed	4.80	43.20

Eastman Kodaline Bromide Paper

A single weight, semi-matte paper for making paper line negatives and prints of extreme contrast.

Sizes	Doz.	½ Gross	Gross
8x10	$0.75	$ 3.90	$ 7.40
10x12	1.15	6.00	11.40
11x14	1.40	7.35	14.00
14x17	2.10	11.00	21. 0
16x20	2.80	14.70	28.00
17x20	3.00	15.75	30.00
18x22	3.50	18.40	35.00
20x24	4.20	22.00	42.00
10 ft. x 20 in.			1.70
10 ft. x 40 in.			3.40
10 yds. x 20 in.			5.10
10 yds. x 40 in.			10.20

Velox Papers

The amateur photographer makes his negatives under conditions exactly the opposite of conditions in the portrait studio—he works in the contrasty glare of outdoor sunshine. His negatives require for the best results a paper of a very different quality. Velox is the only paper made for the sole purpose of fitting the requirements of the amateur negative. And it does fit them more perfectly than any other paper.

Velox prints are distinguishable by the word VELOX, faintly tinted on the back. It is made in four degrees of contrast and four surfaces.

Numerical designations are used to denote the degree of contrast in Velox emulsions as follows: No. 1, for negatives of extreme contrast; No. 2, for average negatives; No. 3, for flat negatives; No. 4, for extremely flat negatives.

Velox—Single Weight

GLOSSY—Enameled	Nos. 1, 2, 3, 4
PORTRAIT—Smooth Matte	No. 2
CARBON—Matte	Nos. 1, 2, 3, 4
VELVET—Semi-gloss	Nos. 1, 2, 3, 4

Velox—Double Weight

GLOSSY—Enameled	Nos. 2, 3
VELVET—Semi-gloss	Nos. 1, 2, 3, 4

Sizes	Doz.	½ Gross	Gross	Sizes	Doz.	½ Gross	Gross
1⅝x 2½	$0.12	....	$ 1.10	1⅝x 2½	$0.15	....	$ 1.40
2¼x 3¼	.12	....	1.10	2¼x 3¼	.15	....	1.40
2¼x 3½	.12	....	1.10	2¼x 3½	.15	....	1.40
2½x 4¼	.15	....	1.35	2½x 4¼	.20	....	1.70
3 x 4	.15	....	1.50	3 x 4	.20	....	1.90
3½x 3½	.15	....	1.60	3½x 3½	.20	....	2.00
3¼x 4¼	.20	....	1.75	3¼x 4¼	.25	....	2.20
2⅞x 4⅞	.20	....	1.75	2⅞x 4⅞	.25	....	2.20
2¼x 7	.20	....	2.00	2¼x 7	.25	....	2.50
3¼x 5½	.20	....	2.00	3¼x 5½	.25	....	2.50
3¼x 6	.25	....	2.30	3¼x 6	.30	....	2.90
4 x 5	.25	....	2.30	4 x 5	.30	....	2.90
3⅞x 5½	.25	....	2.30	3⅞x 5½	.30	....	2.90
3⅜x 6½	.25	....	2.45	3⅜x 6½	.30	....	3.05
3⅞x 5⅞	.25	....	2.50	3⅞x 5⅞	.30	....	3.15
4 x 6	.25	....	2.50	4 x 6	.30	....	3.15
4¼x 6½	.30	....	3.05	4¼x 6½	.40	....	3.80
4¾x 6½	.40	....	3.50	4¾x 6½	.50	....	4.40
5 x 7	.40	$ 2.10	3.90	5 x 7	.50	$ 2.60	4.90
5 x 8	.45	2.40	4.40	5 x 8	.55	2.90	5.50
3½x12	.50	2.60	4.75	3½x12	.60	3.10	5.95
5½x 7¾	.50	2.60	4.75	5½x 7¾	.60	3.10	5.95
6 x 8	.55	2.90	5.35	6 x 8	.70	3.50	6.70
6½x 8½	.65	3.45	6.35	6½x 8½	.80	4.15	7.95
7 x 9	.75	3.80	7.05	7 x 9	.90	4.60	8.80
7½x 9½	.85	4.35	8.00	7½x 9½	1.00	5.50	10.00
7 x11	.95	4.90	9. 0	7 x11	1.15	5.90	11.25
8 x10	.95	4.90	9.00	8 x10	1.15	5.90	11.25
9 x11	1.15	6.00	11.20	9 x11	1.40	7.70	14.00
10 x12	1.45	7.50	13.85	10 x12	1.75	9.10	17.30
11 x14	1.75	9.20	17.00	11 x14	2.15	11.15	21.25
14 x17	2.65	13.40	25.50	14 x17	3.20	16.75	31.90
16 x20	3.50	17.85	34.00	16 x20	4.25	22.30	42.50
18 x22	4.40	22.35	42.50	18 x22	5.30	27.90	53.15
20 x24	5.25	26.80	51.00	20 x24	6.40	33.45	63.75

Single Weight Rolls

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$2.00	$ 6.00
40 inches wide	4.00	12.00

Double Weight Rolls

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$2.50	$ 7.50
40 inches wide	5.00	15.00

Velox for Photo Finishers

500 Sheet Packages

Sizes	Single Weight	Double Weight
1⅝x2½	$ 3.10	$ 3.90
1⅞x2¾	3.10	3.90
2¼x3¼	3.10	3.90
2½x3½	3.10	3.90
2½x4¼	3.80	4.75
2¾x4½	3.80	4.75
3¼x4¼	4.90	6.10
3½x4½	4.90	6.10
2⅞x4⅞	4.90	6.10
3⅛x5⅛	4.90	6.10
4¼x4¼	5.60	7.00
3¼x5½	5.60	7.00
3½x5¾	6.45	8.00
4 x5	6.45	8.00
4¼x5¼	7.00	8.75
4¼x5½	7.00	8.75
4 x6	7.00	8.75
4½x5½	7.00	8.75
4¼x6½	8.55	10.70
4¾x6½	9.60	12.00
5 x7	10.90	13.60

Special sizes smaller than 5 x 7 not included in list will be furnished in 500 sheet packages at prices proportionate to the next larger size.

Velox for Cirkut Camera Prints

Single Weight

Sizes	5-inch	6-inch	6¼-inch
25 ft.	$1.25	$1.50	$1.65
50 ft.	2.50	3.00	3.30
100 ft.	5.00	6.00	6.60

Sizes	8-inch	10-inch	16-inch
25 ft.	$2.00	$ 2.50	$ 4.00
50 ft.	4.00	5.00	8.00
100 ft.	8.00	10.00	16.00

Double Weight

Sizes	5-inch	6-inch	6¼-inch
25 ft.	$1.55	$1.90	$2.05
50 ft.	3.10	3.80	4.10
100 ft.	6.20	7.60	8.20

Sizes	8-inch	10-inch	16-inch
25 ft.	$ 2.50	$ 3.15	$ 5.00
50 ft.	5.00	6.30	10.00
100 ft.	10.00	12.60	20.00

Velox Backing Paper, Glossy

Coated on a Non-Sensitized Stock

Single Weight

	10-yd. Rolls
20 inches wide	$2.75
40 inches wide	5.50

In all cut sizes and in rolls the same stock as Single Weight Velox, price 50 per cent of the list price of Velox, odd figures to end in 0 or 5.

Azo for Photo Finishers

500 Sheet Packages

Single Weight
*GRADE C (Nos. 0, 1, 2, 3, 4, 5)
GRADE E (Nos. 0, 1, 2, 3, 4, 5)
*GRADE F (Nos. 0, 1, 2, 3, 4, 5)
†GRADE G (Glossy, Nos. 0, 1, 2, 3, 4, 5)
GRADE K (Nos. 2, 3, 4)
Double Weight
GRADE E (Nos. 0, 1, 2, 3, 4, 5)
GRADE F (Nos. 0, 1, 2, 3, 4, 5)
GRADE K (Nos. 2, 3)

Sizes	Single Weight	Double Weight
1⅝x2½	$2.15	$2.65
1⅞x2¾	2.15	2.65
2¼x3¼	2.15	2.65
2½x3½	2.15	2.65
2½x4¼	2.65	3.35
2¾x4½	2.65	3.35
3¼x4¼	3.50	4.30
3½x4½	3.50	4.30
2⅞x4⅞	3.50	4.30
3⅛x5⅛	3.50	4.30
4¼x4¼	4.15	5.15
3¼x5½	4.15	5.15
3½x5½	4.15	5.15
3½x5¾	4.50	5.65
4 x5	4.50	5.65
4¼x5¼	5.00	6.30
4¼x5½	5.00	6.30
4½x5½	5.00	6.30
4 x6	5.00	6.30
4¼x6½	6.00	7.50
4¾x6½	6.75	8.50
5 x7	7.65	9.65

†For use with belt dryers, not on Ferrotype plates.
*For use on Ferrotype plates, not with belt dryers.

Azo for Cirkut Camera Prints

Single Weight

Sizes	5-inch	6-inch	6¼-inch
25 ft.	$0.65	$0.75	$0.85
50 ft.	1.30	1.50	1.70
100 ft.	2.60	3.00	3.40

Sizes	8-inch	10-inch	16-inch
25 ft.	$1.00	$1.25	$2.00
50 ft.	2.00	2.50	4.00
100 ft.	4.00	5.00	8.00

Double Weight

Sizes	5-inch	6-inch	6¼-inch
25 ft.	$0.80	$0.95	$1.05
50 ft.	1.60	1.90	2.10
100 ft.	3.20	3.80	4.20

Sizes	8-inch	10-inch	16-inch
25 ft.	$1.25	$1.55	$ 2.50
50 ft.	2.50	3.10	5.00
100 ft.	5.00	6.20	10.00

Stereo Die Cut Azo, Grades C and F

Per Gross . . . . $1.40 Per 2 Dozen. . . $0.30

Azo Papers

Azo is a developing-out paper having a quality not equaled by any other paper selling at anywhere near Azo prices. As Azo is made in various degrees of contrast as well as in a great variety of surfaces, it is necessary to mention both the letter, indicating surface, and number, indicating contrast and whether *single* or *double* weight is required when ordering.

Single Weight Contrasts

GRADE A—Smooth, absolute matte (No. 2)
GRADE B—Medium Rough, absolute matte (No. 2)
GRADE C—Glossy (Pensè) (Nos. 0, 1, 2, 3, 4, 5)
GRADE D—Smooth, slight lustre (Nos. 2, 3, 4, 5)
GRADE E—Smooth, semi-matte (Nos. 0, 1, 2, 3, 4, 5)
**GRADE F—Glossy (Nos. 0, 1, 2, 3, 4, 5)
††GRADE G—Glossy (Nos. 0, 1, 2, 3, 4, 5)
GRADE K—Smooth, semi-matte (Nos. 2, 3, 4)

Sizes	Doz.	2 Doz.	½ Gross	Gross
1⅝x 2½	....	$0.15	....	$ 0.65
2¼x 3¼	....	.15	....	.65
2¼x 3½	....	.15	....	.65
2½x 4¼	....	.20	....	.80
3 x 4	....	.20	....	.90
3½x 3½	....	.20	....	.95
3¼x 4¼	....	.20	....	1.05
2⅞x 4⅞	....	.20	....	1.05
2¼x 7	....	.25	....	1.20
3¼x 5½	....	.25	....	1.25
3¼x 6	....	.30	....	1.35
4 x 5	....	.30	....	1.35
3⅞x 5½	$0.15	....	....	1.35
†3⅜x 6½	.15	....	....	1.45
3⅞x 5⅞	.15	....	....	1.50
4 x 6	.15	....	....	1.50
4¼x 6½	.20	....	....	1.80
4¾x 6½	.25	....	....	2.10
5 x 7	.25	....	$ 1.20	2.30
5 x 8	.30	....	1.35	2.60
3½x12	.30	....	1.50	2.80
5½x 7¾	.30	....	1.50	2.80
6 x 8	.35	....	1.65	3.15
6½x 8½	.40	....	2.00	3.75
7 x 9	.45	....	2.20	4.15
7½x 9½	.50	....	2.45	4.70
7 x11	.55	....	2.80	5.30
8 x10	.55	....	2.80	5.30
9 x11	.65	....	3.45	6.60
10 x12	.80	....	4.25	8.15
11 x14	1.00	....	5.25	10.00
14 x17	1.50	....	7.90	15.00
16 x20	2.00	....	10.50	20.00
18 x22	2.50	....	13.10	25.00
20 x24	3.00	....	15.75	30.00

†Supplied in Grade C and Grade F only.
**For use on Ferrotype plates, not with belt dryers.
††For use with belt dryers, not on Ferrotype plates.

Double Weight Contrasts

GRADE A—Smooth, abolute matte (Nos. 1, 2)
GRADE AA—Smooth, slight lustre (Nos. 1, 2)
GRADE B—Medium Rough, matte (No. 2)
GRADE E—Smooth, semi-matte (Nos. 0, 1, 2, 3, 4, 5)
GRADE F—Glossy (Nos. 0, 1, 2, 3, 4, 5)
GRADE H—Smooth Buff, matte (Nos. 1, 2)
GRADE K—Smooth, semi-matte (Nos. 2, 3)
GRADE R—White, Linen Finish (No. 1)
GRADE S—Buff, Linen Finish (No. 1)

Sizes	Doz.	2 Doz.	½ Gross	Gross
1⅝x 2½	....	$0.20	....	$ 0.80
2¼x 3¼	....	.20	....	.80
2¼x 3½	....	.20	....	.80
2½x 4¼	....	.25	....	1.00
3 x 4	....	.25	....	1.15
3½x 3½	....	.25	....	1.20
3¼x 4¼	....	.25	....	1.30
2⅞x 4⅞	....	.25	....	1.30
2¼x 7	....	.30	....	1.50
3¼x 5½	....	.30	....	1.55
3¼x 6	....	.40	....	1.70
4 x 5	....	.40	....	1.70
3⅞x 5½	$0.20	....	....	1.70
†3⅜x 6½	.20	....	....	1.80
3⅞x 5⅞	.20	....	....	1.90
4 x 6	.20	....	....	1.90
4¼x 6½	.25	....	....	2.25
4¾x 6½	.30	....	....	2.60
5 x 7	.30	....	$1.50	2.90
5 x 8	.35	....	1.70	3.25
3½x12	.35	....	1.90	3.50
5½x 7¾	.35	....	1.90	3.50
6 x 8	.40	....	2.10	3.95
6½x 8½	.50	....	2.50	4.70
7 x 9	.55	....	2.75	5.20
7½x 9½	.65	....	3.10	5.90
7 x11	.70	....	3.50	6.65
8 x10	.70	....	3.50	6.65
9 x11	.85	....	4.30	8.25
10 x12	1.00	....	5.35	10.20
11 x14	1.25	....	6.55	12.50
14 x17	1.90	....	9.90	18.75
16 x20	2.50	....	13.15	25.00
18 x22	3.15	....	16.40	31.25
20 x24	3.75	....	19.70	37.50

†Supplied in Grade F only.

Azo Paper in Rolls (Single Weight)

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.00	$3.00
40 inches wide	2.00	6.00

Any width up to 40 inches, other than the above, furnished in rolls not less than 10 yards in length.

Azo Paper in Rolls (Double Weight)

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.25	$3.75
40 inches wide	2.50	7.50

Any width up to 40 inches, other than the above, furnished in rolls not less than 10 yards in length.

Post Cards

Velox

The degree of contrast in Velox is now designated by number.

VELVET—Nos. 1, 2, 3, 4		GLOSSY—Nos. 2, 3	
Doz.	½ Gross	Gross	500
$0.30	$1.5	$2.90	$9.50

Kodak Velvet Green

Doz.	½ Gross	Gross	500
$0.20	$1.10	$2.00	$6.75

Solio and Azo

SOLIO—Coated with Regular Solio Emulsion
AZO—The degree of contrast in Azo emulsions is designated by numbers
GRADE A—(No. 2)
GRADE AA—(No. 2)
GRADE E—(Nos. 1, 2, 3, 4)
GRADE F- -(Nos. 1, 2, 3, 4)
GRADE K—(Nos. 2, 3)

Doz.	2 Doz.	½ Gross	Gross	500
$0.20	$0.30	$0.90	$1.70	$5.75

Azo only—In cases of 5,000 cards of one grade and degree of contrast $40.00

Vitava Post Cards

ALBA No. 1 and No. 3 Contrast and RAPID BLACK
Semi-matte surface

Gross	500
$2.00	$6.75

P. M. C. Bromide

No. 6—Smooth Matte; No. 9—Semi-Gloss and No. 10—Glossy

Doz.	2 Doz.	½ Gross	Gross	500	5,000
$0.25	$0.40	$1.25	$2.40	$8.00	$56.00

Double Post Cards

Velox, Kodak Velvet Green, Solio and Azo
All Regular Post Card Surfaces

	Doz.	½ Gross	Gross	500
Velox	$0.60	$3.00	$5.80	$19.00
Solio and Azo	.40	1.80	3.40	11.50
Kodak Velvet Green	.40	2.20	4.00	13.50

Odd Size Post Cards

Regularly and Specially Printed

Will be supplied if 1,000 or more of one grade is ordered, on which we will be pleased to make special quotations.

Unprinted Post Cards

Measuring Approximately 3⅞x5⅞ only

Same price as regularly printed cards. Not less than 1,000 of any grade furnished.

Special Printing on Post Cards

When ordered in lots of not less than 1,000 the name and address or souvenir line will be printed on end, top or bottom of cards at the following prices

First 1,000	$1.50
Subsequent lots, per 1,000	.50

Ad-Type Paper

Ad-Type Paper for Commercial Photographers is a single weight unbaryta coated paper.

It will stand an unusual amount of rough handling and the finished print will not curl. It is used for salesmen's samples, copies of letters and charts.

This paper will be supplied in Contrasts Nos. 0, 1, 2, 3, 4, and 5, and in the following sizes:

	Gross List	500 Sheets List
8x10	$ 5.00	$ 16.60
9x11	6.20	20.60
10x12	7.50	24.95
11x14	9.55	31.75
14x17	14.60	48.50
16x20	19.60	65.15
20x24	29.00	96.45
30x40	74.35	247.20

Azo and Solio Backing Paper, Glossy

Azo, Glossy White Stock	Solio, Glossy, Pense Stock
	10-yd. Rolls
20 inches wide, non-sensitized	$2.25
40 inches wide, non-sensitized	4.50

Azo in all cut sizes and in rolls, other than 20 or 40 inches wide, price 72 per cent of the list price of Azo Paper, odd figures to end in 0 or 5.

Special length rolls (20 or 40 inches wide) at prices proportionate to the 10-yd. rolls.

Solio in cut sizes and in rolls, price 55 per cent of the list price of Solio Paper, odd figures to end in 0 or 5.

Azo Backing Paper Binding Strips for Print Hinges

500 Sheet Packages—Grades C, Glossy Pense, and F, Glossy White

1½x8 . . $2.20 1½x11 . . $2.95 1½x17 . . $4.40

Solio, P. O. P. Glossy

Sizes	Doz.	½ Gross	Gross
3⅞x 5½	$0.20	....	$ 1.70
3⅜x 6½	.20	....	1.80
4 x 6	.20	....	1.90
4¾x 6½	.30	....	2.60
5 x 7	.30	$1.50	2.90
5 x 8	.35	1.70	3.25
3½x12	.35	1.90	3.50
6 x 8	.40	2.10	3.95
6½x 8½	.50	2.50	4.70
7 x 9	.55	2.75	5.20
7½x 9½	.65	3.10	5.90
7 x11	.70	3.50	6.65
8 x10	.70	3.50	6.65
9 x11	.85	4.30	8.25
10 x12	1.00	5.35	10.20
11 x14	1.25	6.55	12.50
Cabinet Seconds			1.35
4x6 Seconds			1.50

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.25	$3.75
40 inches wide	2.5	7.50

Kodak Velvet Green

Kodak Velvet Green is particularly beautiful for printing outdoor scenes such as landscapes, marine views and other subjects where a green tone would be appropriate. It gives a true green color by direct development.

Its use gives pleasant relief from the cold tones of the ordinary black and white prints and affords every opportunity for the production of permanent prints of delightful tone and quality.

While it takes longer for exposure than other papers and requires more care, the results obtained on special subjects more than justify its use. It is furnished in single and double weight on a white, semi-matte stock.

Single Weight

Sizes	Doz.	½ Gross	Gross
1⅝x 2½	$0.10	....	$0.90
2¼x 3¼	.10	....	.90
2¼x 3½	.10	....	.90
2½x 4¼	.12	....	1.10
3 x 4	.12	....	1.20
3½x 3½	.12	....	1.30
3¼x 4¼	.15	....	1.40
2⅞x 4⅞	.15	....	1 40
2¼x 7	.15	....	1.60
3¼x 5½	.15	....	1.60
3¼x 6	.20	....	1.85
4 x 5	.20	....	1.85
3⅞x 5½	.20	....	1.85
3⅜x 6½	.20	....	1.95
3⅞x 5⅞	.20	....	2.00
4 x 6	.20	....	2.00
4¼x 6½	.25	....	2.45
4¾x 6½	.30	....	2.80
5 x 7	.30	$ 1.70	3.10
5 x 8	.35	1.90	3.50
3½x12	.40	2.10	3.80
5½x 7¾	.40	2.10	3.80
6 x 8	.45	2.30	4.30
6½x 8½	.50	2.75	5.10
7 x 9	.60	3.05	5.65
7½x 9½	.70	3.50	6.40
7 x11	.75	3.90	7.20
8 x10	.75	3.90	7.20
9 x11	.90	4.80	8.95
10 x12	1.15	6.00	11.10
11 x14	1.40	7.35	13.60
12 x15	1.65	8.50	15.65
14 x17	2.10	10.70	20.40
16 x20	2.80	14.30	27.20
17 x20	3.15	15.75	30.00
18 x22	3.50	17.90	34.00
20 x24	4.20	21.45	40.80

Special cut sizes at proportionate prices on orders of a dozen or more, amounting to $1.00 list or more.

Double Weight

Sizes	Doz.	½ Gross	Gross
1⅝x 2½	$0.15	....	$1.30
2¼x 3¼	.15	....	1.35
2¼x 3½	.15	....	1.35
2½x 4¼	.20	....	1.60
3 x 4	.20	....	1.80
3½x 3½	.20	....	1.80
3¼x 4¼	.25	....	1.80
2⅞x 4⅞	.25	....	2.00
2¼x 7	.25	....	2.00
3¼x 5½	.25	....	2.00
3¼x 6	.30	....	2.25
4 x 5	.30	....	2.25
3⅞x 5½ Cab.	.30	....	2.25
3⅜x 6½	.30	....	2.50
3⅞x 5⅞	.30	....	2.50
4 x 6	.30	....	2.50
4¼x 6½	.40	....	3.15
4¾x 6½	.40	$ 2.00	3.50
5 x 7	.40	2.20	3.90
5 x 8	.45	2.50	4.50
3½x12	.50	2.75	5.00
5½x 7¾	.55	2.90	5.25
6 x 8	.60	3.15	5.65
6½x 8½	.70	3.60	6.75
7 x 9	.75	4.20	7.90
7½x 9½	.85	5.10	9.00
7 x11	.90	5.25	10.00
8 x10	.90	5.25	10.00
9 x11	1.15	6.45	12.50
10 x12	1.35	7.75	15.00
11 x14	1.80	10.20	19.75
12 x15	2.00	12.20	23.25
14 x17	2.70	15.50	30.00
16 x20	3.60	20.75	40.50
17 x20	3.80	22.50	43.90
18 x22	4.50	26.75	52.50
20 x24	5.40	32.00	62.50

Special cut sizes at proportionate prices on orders of a dozen or more, amounting to $1.00 list or more.

ROLLS

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.60	$4.80
40 inches wide	3.20	9.60

Any width up to 40 inches, other than the above, furnished in rolls not less than 10 yards in length.

ROLLS

	10-ft. Rolls	10-yd. Rolls
20 inches wide	$1.90	$ 5.60
40 inches wide	3.80	11.20

Any width up to 40 inches, other than the above, furnished in rolls not less than 10 yards in length.

Books and Publications on Photography obtainable at the list prices shown

"Photomicrography." *By E. K. Co.*	$0.15
"Elementary Photographic Chemistry." *By E. K. Co*	.50
"Photography of Colored Objects." *By E. K. Co.*	.50
"Wratten Light Filters." *By E. K. Co.*	.50
"Science and Practice of Photographic Printing." *By Snodgrass*	3.00
"Theory of Development No. 2." *By E. K. Co.*	2.50
"Fundamentals of Photography." *By E. K. Co.*	1.00
"Aerial Haze and Its Effect on Photography from the Air." *By E. K. Co.*	2.50
"Gelatin in Photography." *By E. K. Co.*	2.50
"The Physics of the Developed Photographic Image." *By E. K. Co.*	2.50
"Silver Bromide Grain of Photographic Emulsions." *By E. K. Co.*	2.50
"The Wet Collodion Process." *By Payne*	1.50
"The Complete Press Photographer." *By Bell*	2.50
"Commerical Photography." *By Charles*	2.00
"Photographic Chemicals & Chemistry." *By Southworth & Bently*	1.50
"Camera Lenses." *By Lockett*	.75
"Photography, Principles and Practice." *By Neblette*	6.50
"Materia Photographica." *By Hutchins*	.50
"Photographic Work Room Hand Book." *By Blumann*	1.00
"Free-Lance Journalism with a Camera," (1926). *By Mallinson*	1.25
"Stereoscopic Photography." *By Judge*	5.00
"Photo-Litho and Offset Printing." *By Corkett*	5.00
"Dictionary of Photography." *By Wall*	5.00
"Fine Art of Photography." *By Anderson*	3.50
"Elements of Photogravure." *By Bennett*	$2.50
"American Photographer, Exposure Tables & Hand Book"	1.00
"Photographic Facts and Formulas." *By Wall*	4.00
"Practical Color Photography." *By Wall.*	3.00
"Print Perfection & How to Obtain It." *By Glover*	.60
"Optics for the Photographer." *By Harting*	2.50
"Bromoil Printing & Transfer." *By Mayor*	2.50
"Intensification & Reduction." *By Wall*	1.00
"Chemistry for the Photographer." *By Flint*	2.50
"Pictorial Composition." *By Poore*	4.00
"The Art of Composition." *By Jacobs*	7.50
"Pictorial Landscape Photography"	2.00
"Pictorial Photography." *By Anderson*	3.50
"Photographic Art Secrets." *By Nutting*	3.00
"Portrait Lightings." *By Towles*	5.00

RETOUCHING

"How to Retouch Negatives"	$0.40
"Art of Retouching, Finishing & Coloring." *By Johnson*	2.50
"Retouching & Finishing for Photographers." *By Adamson*	1.25
"Perfect Negatives." *By Glover.*	.60

ANNUALS (at current price)

"British Journal"
"American Annual"
"Penrose's Annual"
The Photo Miniature Current Issues. Each $0.40

Booklets published by the Eastman Kodak Company and mailed without charge to photographers who require them

"Professional Enlarging & Equipment"
"Book of Formulas for Eastman Papers"
"About Lenses"
"Lantern Slides—How to make and color them"
"Eastman Professional Films"
"Vitava Papers"
"Elementary Clinical Photography"
"X-rays"
"Radiography"—Eastman Dental X-ray Films

Subscription taken for current Photographic Publications

Antidotes for Caustic Poisons

The following list includes both internal and external treatments and they have been approved by competent medical authorities. In every case the antidote given is, in the light of present knowledge, regarded as the acceptable treatment for use in cases of accidental injury by the caustic or corrosive substances covered by the Federal Caustic Poison Act.

Acetic Acid

External.—Wash with water.

Internal.—Give magnesia, chalk, or whiting, in water. Call physician.

Hydrochloric Acid

External.—Wipe off the acid gently, immediately flood the surface with water, using soap freely, then cover with moist magnesia or baking soda.

Internal.—Drink a teaspoonful or more of magnesia, chalk, whiting, or wall plaster, or small pieces of soap softened with water, in milk, mucilage, or raw egg white. Call physician.

Silver Nitrate

External.—Wash with water, then salt solution.

Internal.—Give copious drafts of table salt in water, followed by an emetic (tablespoonful of mustard in a tumbler of warm water). Then administer a dose of magnesium sulphate (Epsom salts) and follow with milk, raw egg, or boiled starch. Call physician.

Nitric Acid

External.—Wipe off the acid gently, immediately flood the surface with water, using soap freely, then cover with moist magnesia or baking soda.

Internal.—Drink a teaspoonful or more of magnesia, chalk, whiting, or wall plaster, or small pieces of soap softened with water, in milk, mucilage, or raw egg white. Call physician.

Oxalic Acid
Salt of Oxalic Acid

External.—Wash with water.

Internal.—Give magnesia, chalk or whiting suspended in much water. Follow with emetic (tablespoonful of mustard in a tumbler of warm water). Call physician.

Carbolic Acid

External.—Flood with water and bathe with diluted alcohol or whiskey, or a bland oil (olive, cottonseed, linseed).

Internal.—Give milk, raw egg white, mucilage, gruel, or cornstarch paste, and follow with an emetic (tablespoonful of mustard in a tumbler of warm water). Call physician.

Sulphuric Acid

External.—Wipe off the acid gently, immediately flood the surface with water, using soap freely, then cover with moist magnesia or baking soda.

Internal.—Drink a teaspoonful or more of magnesia, chalk, whiting, or wall plaster, or small pieces of soap softened with water, in milk, mucilage, or raw egg white. Call physician.

Ammonium Hydroxide

External.—Flood with water, then wash with vinegar.

Internal.—Give vinegar, or juice of lemon, grapefruit, or orange, copiously. Follow with olive oil.

Eyes.—Wash out with 5 per cent boric-acid solution. Call physician.

Potassium Hydroxide
Sodium Hydroxide

External.—Flood with water, then wash with vinegar.

Internal.—Give vinegar, or juice of lemon, grapefruit, or orange, copiously. Follow with olive oil.

Eyes.—Wash out with 5 per cent boric-acid solution. Call physician.

Hypochlorous Acid

External.—Wash with water.

Internal.—Drink mucilage, raw egg white, milk, or rice gruel. Follow with emetic (tablespoonful of mustard in a tumbler of warm water). Call physician.

The Chemistry of Washing

It may seem strange that a chapter dealing with washing should be inserted in this catalogue because washing is not usually regarded as a technical operation. Nevertheless, the importance of washing in photography justifies greater attention than is usually paid to the subject.

As a general rule the object in washing negatives or prints is to remove from them the chemicals of the fixing bath which they contain. In the first place, it must be pointed out that it should not be necessary to wash out silver compounds but only the chemicals of the fixing bath. If an exhausted fixing bath is used silver compounds will be present during washing and must be very completely removed, so that if work has to be hurried and the time of washing cut down, it is most important that fixing should be complete.

The best way of insuring complete fixing is to use two fixing baths, and to transfer the negatives or prints to the second bath after they have been fixed in the first. Then, when the first bath begins to show signs of exhaustion and refuses to fix quickly, it should be replaced by the second, and the new, clean fixing bath should be used in the place of the second bath.

The rate of washing depends largely upon the rate the diffusion of the hypo out of the film into the water providing the water in contact with the film is continuously removed. This diffusion rate has nothing to do with solubility. The solubility of a substance fixes the proportion of the substance which can go into solution.

There are a number of errors which are current concerning washing. It is commonly believed, for instance, that plates and paper can be washed more rapidly in warm water than in cold. This is a mistake. It is true that any salt will diffuse more rapidly in warm water than in cold, but when washing a photographic material the diffusion has to take place in gelatin, and the warmer the water in which the gelatin is placed, the more it swells, and its swelling hinders diffusion in about the same proportion as the rise in temperature accelerates it, so that, as a matter of fact, washing goes on at about the same rate at all ordinary temperatures.

It is sometimes stated that material which has been hardened in the fixing bath washes more slowly than material which has not been hardened. This, too, is incorrect. Gelatin is like a sponge; the effect of hardening it is to contract all the network of the sponge, but in so doing the gelatin as a whole is not contracted and there is no difference in the diffusion between gelatin, which has not been hardened and which has been hardened, unless the gelatin has been dried after hardening. If a negative is thoroughly hardened in the fixing bath and then is dried down, it will not expand much when soaked again and consequently diffusion through it will be difficult, but before drying the hardening does not affect diffusion and the materials which wash most quickly are those in which the gelatin has not been swollen in its treatment, either in development or fixation, but has been kept in a firm, solid condition.

The actual rate of washing may be understood by remembering that the quantity of hypo remaining in the gelatin is continually halved in the same period of time as the washing proceeds. An average negative, for instance, will give up half its hypo in fifteen seconds when washed directly under the faucet, so that at the end of fifteen seconds half the hypo will be remaining in it, after thirty seconds one-quarter, after forty-five seconds one-eighth, after one minute one-sixteenth, and so on. It will be seen that in a short time the amount of hypo remaining will be infinitesimal. This, however, assumes that the negative is continually exposed to fresh water, which is the most important matter in arranging the washing of either negatives or prints.

An average negative washed directly under the faucet will give up half its hypo in 15 seconds. In most trays and washing tanks it will do so in 30 seconds. The process will then stop unless the water in the vessel is changed. The rate of washing thus turns out to be dependent firstly, on the degree of agitation, and secondly, on the rate of clearing out the used water. This rate is dependent directly on the ratio of the stream of water falling into the vessel and the size of the vessel, quickest renewal taking place when the vessel is small and the stream large.

Only exact experimental measurements will tell when a particular vessel and stream of water will wash a particular kind of film or paper.

However, as a rough and safe working guide, the washing power of the vessel may be judged by noting the time it takes colored water to be replaced by colorless water from the faucet. To

The Chemistry of Washing—Continued

this time the minimum washing time for the material is added, and the total taken to indicate the actual period to be allowed by the photographer under his particular conditions.

A practical example will make the matter clear. Suppose that a large tray is resting in the sink and water is falling into it from the faucet and flowing to waste over the sides. Into the tray, and while the water is running, an ounce of 5% potassium permanganate solution or red ink is tipped and the time noted for the water to become completely colorless. To this time is added the minimum washing time of the material, a representative list of which is given below:

Lantern plates	3 minutes
Other plates	5 minutes
Film negatives, all kinds	about 7 minutes
Single weight Velox	15 to 20 minutes
Single weight Bromide	20 to 25 minutes
Double weight Bromide	35 to 60 minutes

If it be found that the water in the tray takes 10 minutes to clear, then the time for a lantern plate to become thoroughly washed would be 13 minutes and for Velox about 25 minutes. If the water supply were doubled and the rate of color discharge shortened to 5 minutes the washing times would be 8 minutes and 20 minutes respectively. Finally, if the lantern plate were held under an open faucet in the hand the renewal of water at the emulsion surface would be indefinitely rapid and the plate would be *safely washed in 3 minutes*. The moral is to use plenty of water and plenty of agitation.

If a lot of prints are put in a tray and water allowed to splash on the top of the tray, it is very easy for the water on the top to run off again, and for the prints at the bottom to lie soaking in a pool of fairly strong hypo solution, which is much heavier than water and which will fall to the bottom of the tray. If the object is to get the quickest washing, washing tanks should be arranged so that the water is continuously and completely changed and the prints or negatives are subjected to a continuous current of fresh water. If water is of value, and it is desired to economize in its use, then by far the most effective way of washing is to use successive changes of small volumes of water, putting the prints first in one tray, leaving them there for from two minutes to five minutes, and then transferring them to an entirely fresh lot of water, repeating this until they are washed.

Now a word of warning about contaminating partly washed photographs. If the hypo comes out to half its previous strength in a fraction of a minute, so also will the reverse change occur. If a partly washed print is touched with fingers contaminated with the fixing bath, in a few seconds the hypo will be shared between the fingers and the photograph, and it will take the full washing time to remove it again. Obviously, then, one of the greatest crimes, a crime because hypo is invisible and its evil effects undetected till long afterwards, is to place prints or films fresh from the hypo among those partly washed. If this is done the entire batch must be washed from the time that the last one was added.

The best way to avoid contamination is to wash in *cascade*. In its simplest form this can be accomplished by placing two trays side by side, one supported an inch or so above the level of the other. Water is allowed to drop into the upper tray and overflow into the lower. Into this lower tray all prints and films, and incidentally the dirty fingers of the operator, are placed before transference to the upper. The prints and films should have at least three minutes preliminary washing before going into the true washing tray. With a little experience in handling materials in this serial order the photographer will be surprised at the number of films and papers that can be passed through quite moderate capacity trays and completely satisfactory washing secured in a short time.

Temperature

Most chemical reactions proceed more rapidly as the temperature is increased, and this is true of all the reactions involved in photography, so that developers and fixing baths will act much more rapidly when warm than when cold. Different reactions are stimulated to different extents by rise of temperature, and the effect of temperature can be measured numerically, the result obtained being termed the "temperature coefficient" of the reaction.

As a general rule, the temperature coefficient is measured for a change of 10 degrees Centigrade, equivalent to 18 degrees Fahrenheit, so that if a reaction which at 60 degrees Fahrenheit takes 4 minutes is completed at 78 degrees Fahrenheit in 2 minutes, we should say that it had a temperature coefficient of 2, the rate of reaction being doubled for a rise of 18 degrees Fahrenheit.

Weights and Measures

In photographic practice, solids are weighed and liquids are measured either by the Avoirdupois or the Metric system.

The following Avoirdupois tables of weights and measures are used in photography:

WEIGHT

437½ grains	=1 ounce
16 ounces	=1 pound

VOLUME

60 minims	=1 fluid dram
8 fluid drams	=1 fluid ounce
480 minims	=1 fluid ounce
16 ounces	=1 pint
128 ounces	=1 gallon

When a formula is expressed in ounces and grains it may be converted into a metric formula by taking each gallon as 4 liters, each fluid ounce as 32 cc., multiplying the ounces of solid by 30 to express them as grams, and taking 100 grains equal to seven grams. These conversion factors are based on the fact that 32 fluid ounces are equivalent to .946 liter or one liter is equivalent to 33.8 fluid ounces. Therefore, if, in converting from avoirdupois to metric, one gallon is taken as four liters, the exact conversion factors should be multiplied by the factor $\frac{33.8}{32}$ which, when rounded off, gives the figures shown above. Thus a developer formula for a 42 gallon tank would be converted as follows:

FORMULA

Water		5 gallons
Elon	1 oz.	25 grains
Sodium Sulphite	52 ozs.	
Potassium Metabisulphite	1 oz.	272 grains
Hydroquinone	4 ozs.	86 grains
Pyro	10 ozs.	
Sodium Carbonate	27 ozs.	358 grains
Potassium Bromide		260 grains
Add enough water to make		42 gallons

CONVERSION

Water	20 liters
Elon	32 grams
Sodium Sulphite	1560 grams
Potassium Metabisulphite	49 grams
Hydroquinone	126 grams
Pyro	300 grams
Sodium Carbonate	835 grams
Potassium Bromide	18 grams
Add enough water to make	168 liters

To convert a metric formula into an avoirdupois formula the process should be reversed, the grams being divided by 30, expressed as ounces, odd grams multiplied by 14.3, and expressed as grains, liters divided by 4 and expressed as gallons, and cubic centimeters divided by 32 and expressed as ounces of solution.

It is often recommended to dissolve, say, 10 parts of a solid in 100 parts of water. In the case of liquids, parts should be taken as meaning units of volume and in the case of solids as units of weight. A "part" may, therefore, mean anything from a grain to a ton, or a minim to a gallon so long as the other quantities are reckoned in the same units of weight or volume.

Thus:

STOCK SOLUTION

For use:	*A* three parts	means	*A*	15 ozs.
	B one part	means	*B*	5 ozs.

If the formula contains both solids and liquids, if ounces (liquid) and ounces (solid) are substituted for "parts," the error involved falls within permissible limits.

Example:

Mix one gallon of solution according to the following formula:

Sodium Sulphite	10 parts
Pyro	1 part
Water to make	100 parts

One gallon equals 128 ozs. Therefore, dissolve $10 \times 128 \div 100 = 12^4/_5$ ozs. of sulphite in water, add 1¼ ozs. of Pyro, and make up to 1 gallon.

If a formula calls for, say, 5 drops of a solution, this is a very uncertain quantity because drops of liquid vary considerably in size. The average drop from the usual dropping bottle or burette measures about 1 minim, so that 5 drops may be considered as 5 minims.

Many photographers are accustomed to making up their stock solutions of hypo, carbonate, sulphite, etc., by means of the hydrometer. This method has the advantage that in case the hypo, say, has become moist and contains an unknown amount of water, a definite reading on the hydrometer will give a solution of the same strength as if perfectly dry chemicals had been used. When a stock solution is made from moist chemicals by weighing, the error caused by the presence of water may be as high as 25% or 50%.

The hydrometer method has the disadvantage that the adjustment of a solution to the required strength takes considerable time, it does not convey any idea as to the percentage strength of the solution, and varies with the temperature. For instance, if a stock solution is made with hot water and this registers, say, 45 on the hydrometer, on cooling, the liquid may register 48 or 50. It is therefore absolutely

Weights and Measures—Continued

necessary either to make all readings when the solutions have cooled to room temperature, or to prepare a table giving the variation of density of each solution with temperature.

A stock solution is a concentrated solution to which water is added before use.

Stock Solutions

The limiting strength of solution which it is possible to make in any particular case depends on the solubility of the chemical, and as the solubility diminishes with temperature a solution should not be made stronger than a saturated solution at 40° F., otherwise, in cold weather, the substance would crystallize out.

A stock solution of sodium sulphite should be made as strong as possible (20% of the desiccated salt) because at such a strength the solution oxidizes very slowly and will therefore keep, whereas in weaker solution, it combines with the oxygen in the air very readily and is then useless as a preservative.

Metric Equivalents (Linear Measure)

1 centimeter = 0.3937 in.	1 kilometer = 0.62137 mile
1 decimeter = 3.937 in. = 0.328 feet	1 in. = 2.54 centimeters
	1 ft. = 3.048 decimeters
1 meter = 39.37 in. = 1.0936 yards	1 yard = 0.9144 meter
	1 rod = 0.5029 dekameter
1 dekameter = 1.9884 rods	1 mile = 1.6093 kilometers

Troy Weight

24 grains = 1 pwt.	12 ounces = 1 pound
20 pwts. = 1 ounce	

Used for weighing gold, silver and jewels.

Apothecaries' Weight

20 grains = 1 scruple	8 drams = 1 ounce
3 scruples = 1 dram	12 ounces = 1 pound

The ounce and pound in this are the same as in Troy weight.

Avoirdupois Weight

27 11/32 grains = 1 dram	4 quarters = 1 cwt.
16 drams = 1 ounce	2000 lbs. = 1 short ton
16 ounces = 1 pound	2240 lbs. = 1 long ton
25 pounds = 1 quarter	

Dry Measure

2 pints = 1 quart	4 pecks = 1 bushel
8 quarts = 1 peck	36 bushels = 1 chaldron

Liquid Measure

4 gills = 1 pint	31½ gallons = 1 barrel
2 pints = 1 quart	2 barrels = 1 hogshead
4 quarts = 1 gallon	

Long Measure

12 inches = 1 foot	40 rods = 1 furlong
3 feet = 1 yard	8 furlongs = 1 sta. mile
5½ yards = 1 rod	3 miles = 1 league

Weights

1 gram = 0.03527 ounce	1 ounce = 28.85 grams
1 kilogram = 2.2046 lbs.	1 lb. = 0.4536 kilogram
1 metric ton = 1.1023 English ton	1 English ton = 0.9072 metric ton

Square Measure

144 sq. inches = 1 sq. foot	40 sq. rods = 1 rood
9 sq. feet = 1 sq. yard	4 roods = 1 acre
30¼ sq. yards = 1 sq. rod	640 acres = 1 sq. mile

Thermometers

Comparative Scales

Reaumur 80	Centigrade 100	Fahrenheit 212	Water Boils
76	95	203	At Sea-level
72	90	194	
68	85	185	
63.1	78.9	174	
60	75	167	Alcohol Boils
56	70	158	
52	65	149	
48	60	140	
44	55	131	
42.2	52.8	127	Tallow Melts
40	50	122	
36	45	113	
33.8	42.2	108	
32	40	104	
29.3	36.7	98	Blood Heat
28	35	95	
25.8	32.2	90	
24	30	86	
21.3	26.7	80	
20	25	77	
16	20	68	
12.4	15.3	60	Temperate
10.2	12.8	55	
8	10	50	
5.8	7.2	45	
4	5	41	
1.3	1.7	35	
0	0	32	Water Freezes
− 0.9	− 1.1	30	
− 4	− 5	23	
− 5.3	− 6.7	20	
− 8	−10	14	
− 9.8	−12.2	10	
−12	−15	5	
−14.2	−17.8	0	Zero Fahr.
−16	−20	− 4	
−20	−25	−13	
−24	−30	−22	
−28	−35	−31	
−32	−40	−40	

Table of Chemical Solubilities

The following table is given to serve as a guide when preparing stock solutions of photographic chemicals. Since a solution is apt to become cooled in winter to a temperature approximating 40° F., it is not advisable to prepare a stock solution stronger than is indicated by the solubility of the chemical at this temperature.

Substance	Oz. of Chemical in 100 oz. (fluid) of Saturated Solution at 40° F. (44.4° C.)	70° F. (21.1° C.)
Acid, Acetic (any strength)	Mixes in all proportions	
Acid, Citric	78	88
Acid, Oxalic	7¼	14½
Alum, Ammonium	6¼	15½
Alum, Iron	48	59
Alum, Potassium	6¼	11½
Alum, Potassium Chrome	15½	20½
Ammonia Solution	Mixes in all proportions	
Ammonium Bromide	52	57
Ammonium Carbonate	26	31
Ammonium Chloride	26	30
Ammonium Iodide	104	109
Ammonium Oxalate	2¾	5¼
Ammonium Persulphate	52	62
Ammonium Thiocyanate or Ammonium Sulphocyanide	62	73
Ammonium Thiosulphate, Anhydrous	83	88
Borax (Sodium Tetraborate)	2½	7¼
Copper Sulphate, Crystal	26	31
Diaminophenol Hydrochloride (Amidol)	20½	26
Elon (Monomethyl Para-amino Phenol Sulphate)	5¼	8¼
Ferrous Sulphate	29	41
Formalin	Mixes in all proportions	
Hydroquinone	4¼	6¾
Lead Acetate	31	47
Lead Nitrate	39½	51
Mercuric Chloride	4	6¼
Para-aminophenol Oxalate (Kodelon)	1¼	2½
Potassium Bichromate	6¾	14½
Potassium Bromide	50	56
Potassium Carbonate, Anhydrous	83	85
Potassium Chloride	26	31
Potassium Citrate	93	104
Potassium Cyanide	46	52
Potassium Ferricyanide	30	36
Potassium Ferrocyanide	17½	26
Potassium Hydroxide (Caustic Potash)	78	83
Potassium Iodide	99	104
Potassium Metabisulphite	47	57
Potassium Oxalate	29	36½
Potassium Permanganate	3¼	6¾
Pyrogallol (Pyro)	36	57
Silver Nitrate	109	135
Sodium Acetate, Anhydrous	31	36
Sodium Acetate, Crystal (Trihydrate)	52	62
Sodium Bicarbonate	7¼	9¼
Sodium Bisulphite	52	52
Sodium Bromide	67	73
Sodium Carbonate, Anhydrous	10¼	24
Sodium Carbonate, Crystal	29	65
Sodium Chloride	31	31
Sodium Hydroxide (Caustic Soda)	50	83
Sodium Phosphate, Tribasic Anhydrous	1½	11½
Sodium Phosphate, Tribasic Crystal	3½	26
Sodium Sulphate, Anhydrous	5¼	20½
Sodium Sulphate, Crystal	10¼	41
Sodium Sulphide, Fused	13½	17¾
Sodium Sulphide, Crystal	36¼	47
Sodium Sulphite, Anhydrous	17½	28
Sodium Thiosulphate, Crystals (Hypo)	73	93

Lens Tables

The following lens tables will be of value to the photographer who requires new lenses as they will enable him to order lenses of the proper focal length for the size of the operating room. This information will save time and trouble in ordering.

Our stock of photographic lenses is very complete and we are able to supply suitable lenses for every purpose at short notice. Arrangements may be made, readily, whereby responsible photographers can try out any lens, in their own studio, for a trial period of 10 days. Write us for exact and reliable information on any lens in which you are interested.

TABLE FOR COMPUTING THE ANGLE OF VIEW

Divide the Long Side of the Plate by the Equivalent Focus of the Lens

If the Quotient is	The Angle is	If the Quotient is	The Angle is	If the Quotient is	The Angle is	If the Quotient is	The Angle is	If the Quotient is	The Angle is	If the Quotient is	The Angle is
.282	16 Deg.	.517	29 Deg.	.768	42 Deg.	1.041	55 Deg.	1.32	67 Deg.	1.649	79 Deg
.3	17 "	.536	30 "	.788	43 "	1.063	56 "	1.35	68 "	1.678	80 "
.317	18 "	.555	31 "	.808	44 "	1.086	57 "	1.375	69 "	1.17	81 "
.335	19 "	.573	32 "	.828	45 "	1.108	58 "	1.4	70 "	1.739	82 "
.353	20 "	.592	33 "	.849	46 "	1.132	59 "	1.427	71 "	1.769	83 "
.37	21 "	.611	34 "	.87	47 "	1.155	60 "	1.45	72 "	1.8	84 "
.389	22 "	.631	35 "	.89	48 "	1.178	61 "	1.48	73 "	1.833	85 "
.407	23 "	.65	36 "	.911	49 "	1.2	62 "	1.5	74 "	1.865	86 "
.425	24 "	.67	37 "	.933	50 "	1.225	63 "	1.53	75 "	1.898	87 "
.443	25 "	.689	38 "	.954	51 "	1.25	64 "	1.56	76 "	1.931	88 "
.462	26 "	.708	39 "	.975	52 "	1.274	65 "	1.59	77 "	1.965	89 "
.48	27 "	.728	40 "	1.	53 "	1.3	66 "	1.62	78 "	2.	90 "
.5	28 "	.748	41 "	1.02	54 "						

TABLE FOR DETERMINING THE DISTANCE BETWEEN LENS AND GROUND GLASS

Height of Image when Subject is 6 Feet High

Equivalent Focus of Lens Inches	Distance in inches from lens to ground glass	3 in. High	4 in. High	5 in. High	6 in. High	8 in. High	10 in. High	12 in. High	16 in. High	20 in. High	24 in. High	30 in. High
4		4.1	4.2	4.3	4.33							
5		5.2	5.3	5.35	5.4	5.6						
6		6.2	6.3	6.4	6.5	6.6	6.8					
8		8.3	8.4	8.5	8.6	8.9	9.1	9.3				
10		10.4	10.5	10.7	10.8	11.1	11.4	11.6	12.2			
12		12.5	12.6	12.8	13.0	13.3	13.7	14.0	14.6	15.3		
16		16.6	16.9	17.1	17.3	17.8	18.2	18.6	19.5	20.4	21.3	22.6
20		20.8	21.1	21.4	21.6	22.3	22.8	23.3	24.4	25.5	26.6	28.3
24		25.0	25.3	25.6	26.0	26.6	27.3	28.0	29.3	30.6	32.0	34.0
30		31.2	31.6	32.1	32.5	33.3	34.2	35.0	36.6	38.3	40.0	42.5

TABLE FOR DETERMINING THE MINIMUM LENGTH OF STUDIO

Height of Image when Subject is 6 Feet High

Equivalent Focus of Lens Inches	Distance in feet and inches from subject to lens	3 in. High	4 in. High	5 in. High	6 in. High	8 in. High	10 in. High	12 in. High	16 in. High	20 in. High	24 in. High	30 in. High
4		8.4	6.4	5.2	4.4							
5		10.5	7.11	6.5	5.5	4.2						
6		12.6	9.6	7.8	6.6	5.0	4.1					
8		16.8	12.8	10.3	8.8	6.8	5.6	4.8				
10		20.10	15.10	12.10	10.10	8.4	6.10	5.10	4.7			
12		25.0	19.0	15.5	13.0	10.0	8.2	7.0	5.6	4.7		
16		33.4	25.4	20.6	17.4	13.4	10.11	9.4	7.4	6.2	5.4	4.6
20		41.8	31.8	25.8	21.8	16.8	13.8	11.8	9.2	7.8	6.8	5.8
24		50.0	38.0	30.10	26.0	20.0	16.5	14.0	11.0	9.2	8.0	6.10
30		62.6	47.6	38.6	32.6	25.0	20.6	17.6	13.9	11.6	10.0	8.6

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